Panasonic

DIGITAL SUPER HYBRID SYSTEM

User Manual

Model No. **KX-TD500**

**Please read this manual before connecting
the Digital Super Hybrid System.**

Thank you for purchasing the Panasonic Digital Super Hybrid System.

Telephones

This system can connect digital and analog Panasonic proprietary telephones. Single line devices such as a single line telephone, facsimile, cordless telephone, voice processing system, etc. can also be connected.

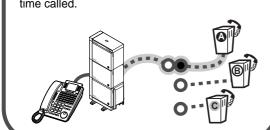☞ 1.2　Connection Example.

More Extensions

This system can double the extension capacity by connecting a proprietary telephone and a single line telephone. The proprietary telephone can share the extension with another single line telephone. Furthermore, you can connect a Panasonic digital proprietary telephone and a single line telephone to one port and use them as individual extensions.

☞ 1.3　Adding Another Telephone in Parallel.

Saves on telephone charges
(Automatic Route Selection)

This system chooses the most cost-effective carrier based on the outside number dialled and the time called.

☞ Page 26.

Call Record
(Station Message Detail Recording)

This system can record or print out call information: date, time, extension no., dialled no., duration, etc.

Date	Time	Ext	. . . .
06/24/97	10:03AM	123	. . . .
06/24/97	11:07AM	223	. . . .

Saves Time

Many useful features support your operations and eliminate tasks. For example, easy dialling with memory and re-dialling to busy parties.

(One-Touch Dialling)

☞ Operation.

Voice Mail Integration

You can forward your call to a voice processing system and let callers leave their messages in your mailbox when you are unable to receive calls.

☞ Voice Mail Integration in 2.8.3   If a Voice Processing System is Connected.

Note

In this manual, the last letter of each model number is omitted.

Important Information

WARNING

◆◆ THIS UNIT MAY ONLY BE INSTALLED AND SERVICED BY QUALIFIED SERVICE PERSONNEL.

WHEN A FAILURE OCCURS WHICH RESULTS IN THE INTERNAL PARTS BECOMING ACCESSIBLE, DISCONNECT THE POWER SUPPLY CORD IMMEDIATELY AND RETURN THIS UNIT TO YOUR DEALER.

DISCONNECT THE TELECOM CONNECTION BEFORE DISCONNECTING THE POWER CONNECTION PRIOR TO RELOCATING THE EQUIPMENT, AND RECONNECT THE POWER FIRST.

THIS UNIT IS EQUIPPED WITH AN EARTHING CONTACT PLUG. FOR SAFETY REASONS THIS PLUG MUST ONLY BE CONNECTED TO AN EARTHING CONTACT SOCKET WHICH HAS BEEN INSTALLED ACCORDING TO REGULATIONS.

THE POWER SUPPLY CORD IS USED AS THE MAIN DISCONNECT DEVICE. ENSURE THAT THE SOCKET-OUTLET IS LOCATED/INSTALLED NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

The following icons are used frequently in this manual.

‼ Hints   📝 Conditions

Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a both tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

2. Avoid using a telephone (other than a cordless type) during an electric storm. There may be a remote risk of electric shock from lightning.

3. Do not use the telephone to report a gas leak in the vicinity of the leak.

4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

<u>**SAVE THESE INSTRUCTIONS**</u>

Attention

- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps, motors and televisions. These noise sources can interfere with the performance of the unit.
- This unit should be kept free of dust, moisture, high temperature (more than 40°C) and vibration, and should not be exposed to direct sunlight.
- Never attempt to insert wires, pins, etc., into the vents or holes of this unit.
- If there is any trouble, disconnect the unit from the telephone line. Plug the telephone directly into the telephone line. If the telephone operates properly, do not reconnect the unit to the line until the problem has been repaired by an authorised Panasonic Factory Service Center. If the telephone does not operate properly, chances are that the problem is in the telephone system, and not in the unit.
- Do not use benzine, thinner, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.

The serial number of this product may be found on the label affixed to the bottom of the unit. You should note the model number and the serial number of this unit in the space provided and retain this manual as a permanent record of your purchase, to aid in identification in the event of theft.

MODEL NO.: _____

SERIAL NO.: _____

For future reference

DATE OF PURCHASE _____

NAME OF DEALER _____

DEALER'S ADDRESS _____

Table of Contents

3 Operator / Manager Operation

4   *Customising Your Phone & System*

5   *Appendix*

Section   1

OVERVIEW

This section briefly outlines your system.

1.1 Capacity

The KX-TD500 system can consist of one, two, or three shelves (Basic and Expansion1,2). Each shelf contains its own power supply. **[Building Block System]**

Basic System   3-Shelf System
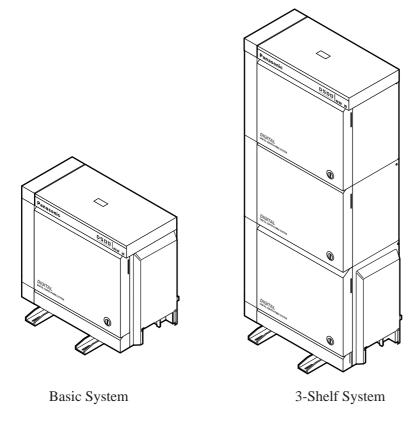
Figure 1:

Basic System

Basic System consists of one Shelf called Basic Shelf.
You can connect up to 192 lines (including Extensions and CO lines) to the Basic System.

3-Shelf System

The KX-TD500 system's capacity can be expanded by installing up to two Expansion Shelves on the Basic Shelf. Fully expanded system (Basic Shelf + Expansion Shelf 1 + Expansion Shelf2) is called "3-Shelf System."
You can connect up to 512 lines (including Extensions and CO lines) to the 3-Shelf System.

1.2 Connection Example

This diagram shows you a connection example including optional equipment.

Paging Sperker 1

Amplifier

Paging Sperker 2

Amplifier

Radio

Printer

Radio

Personal Computer (PC)

Automobile type batteries
Consisting of two 12VDC

Figure 2:

Central Office Lines

Doorphone 1   Doorphone 2   Doorphone 3   Doorphone 4

KX-TD500 System

Single Line Telephone

Data Terminal

Cordless Phone

Telephone Answering
Machine with Facsimile

Voice Processing System

(one pair)

(one pair)

(one pair)

(one pair)

(one pair)

(two pair)

(two pair)

(two pair)

(two pair)

KX-T7320

KX-T7330

KX-T7350

KX-T7425

KX-T7220

KX-T7250

KX-T7433

KX-T7436

(two pair)

(two pair)

(three pair)

(two pair)

(two pair)

(two pair)

(two pair)

(two pair)

(two pair)

KX-T7235

KX-T7230

KX-T7240

KX-T7340

KX-T7440

· Parallel connections of extension is available. Refer to "Paralleled
Connection of Extension" in Features Guide for further information.

Figure 3:

1.3   Adding Another Telephone in Parallel

A Panasonic proprietary telephone and a single line telephone, including a facsimile, cordless telephone, etc., can be connected to one extension jack in parallel. There are two types of parallel connections.

- **Paralleled Telephone Connection**
  Any proprietary telephone and a single line telephone
  These telephones share the same extension number. Follow Method 1 or 2.
  To ring the single line telephone, set to ring (on) if necessary. ("Setting the parallel connected telephone ringer" in "Operations")

- **Extra Device Port (XDP)**
  Digital proprietary telephone and a single line telephone
  Each telephone has a different extension number and can work individually. For more information, contact your dealer. Follow Method 2 or 3.

Method 1

Modular T-Adaptor
(Panasonic KX-J66 or USOC RJA2X)

2-conductor wiring cord
Connect pins "T" and "R".

4-conductor wiring cord
For a digital proprietary telephone:
  Connect pins "D1" and "D2" only.
("T" and "R" are not required.)
For an analog proprietary telephone:
  Connect pins "T", "R", "D1" and "D2".

Proprietary Telephone   Single Line Telephone

Figure 4:

Method 2

4-conductor wiring cord
Connect pins "T", "R", "D1" and "D2".

2-conductor wiring cord
Connect pins "T" and "R".

<Back of the KX-T7400 Series DPTs>

To single line telephone

To system

<Back of the KX-T7200 Series DPTs>

To system   To single line telephone

Single Line Telephone   Digital Proprietary Telephone

Figure 5:

Method 3

Digital Proprietary Telephone

Single Line Telephone

4-conductor wiring cord
Connect pins "T", "R", "D1" and "D2".

2-conductor wiring cord
Connect pins "T" and "R".

Figure 6:

Section   2

Operation

This chapter shows you how to operate each feature step by step. Read this chapter to become familiar with the many useful features of this system.

2.1   Before Operating the Telephones

What kind of telephone can be used?

You can use a single line telephone (SLT), such as a rotary pulse telephone or a Panasonic proprietary telephone (PT) such as the KX-T7436. Operate the feature depending on the telephone you are using. If you are using a Panasonic proprietary telephone with a special function button such as $\overset{\mathit{REDIAL}}{\boxed{}}$ and/or has a display (D – PT), you can follow the operation with the button or display messages for easy programming.

If you use a large display telephone (e.g. KX-T7436), you can follow the displayed messages to operate the features.

If your telephone does not have function buttons and/or a display, you may operate the unit by entering a feature number instead. Follow the available operation with your telephone. If you use a DSS Console, you can use the buttons on the DSS Console as the buttons on the connected proprietary telephone.

!! • If you use a Panasonic proprietary telephone which does not have function buttons, you may change one of the unused flexible buttons to a function button. Refer to 4.1.2   Customising the Buttons.

◆◆ Feature Numbers

To operate certain features, you need to enter specified feature numbers (and an additional parameter, if required).

There are two types of feature numbers as follows:

- • Flexible feature number
- • Fixed feature number

Fixed feature numbers cannot be changed. However, you can change the flexible numbers to other numbers for easier use. If you want to change the numbers, consult your dealer. In this manual, the default numbers (factory installed) are used for operations.

A flexible number is shown as $\boxed{0}$ (half-shaded key). Use the new programmed number if you have changed the feature number. Write the new number in the "Feature Number List" (Appendix).

If you use a single line telephone which does not have the "✳" or "#" keys;
it is not possible to access features that have "✳" or "#" in their feature numbers.

◆◆ Tones

You will hear various tones, during or after an operation, for confirmation. Refer to 5.4   What is This Tone?.

◆◆ *Display*

In this manual, you will see "the display ...". This refers to the display of a Panasonic proprietary telephone. If your telephone is not a Panasonic proprietary telephone with a display, the message will not be displayed.

 If you use a Panasonic display proprietary telephone, the display helps you confirm the settings. For example, when you set the Do Not Disturb feature, the display shows "Do Not Disturb". Some proprietary telephones also give you easy access to operations. A message is displayed depending on the operation. By pressing the corresponding button on the side or bottom of the display, or rotating a jog dial, you can access the desired feature. For example, if turning background music on becomes available, "BGM" will be shown on the display. Follow the instructions in each operation.

Furthermore, depending on the display proprietary telephone, you can operate features or make calls using the display message. Refer to 2.10   Using the Display Proprietary Telephone.

◆◆ *Restrictions*

Some features may be restricted at your extension under system programming. Consult your System Manager or dealer.

◆◆ *Icon Descriptions*

The following icons show you the feature availability, notes and action to operate the features. While operating the unit, you can easily refer to the Icons noted on the inside back cover of this manual.

Table 1

	This feature cannot be operated with a single line telephone.	(CO) **OR** 9 **OR** 8 0 1 to 8 4 8	Seize an external line (One of the following). • Press the CO button. • Dial automatic line access number 9. • Dial trunk group access number 801 to 848.
	Related Programming Title See "Programming", if necessary.		
	Off-hook (One of the following). • Lift the handset. • Press the SP-PHONE button. • Press the MONITOR button. (To start talking, lift the handset.)		Press the Call button on the Doorphone.

Table 1

(on-hook icon)	On-hook (One of the following). • Hang up. • Press the SP-PHONE button. • Press the MONITOR button.	(hookswitch icon)	Press the hookswitch lightly.
(button icon)	Press the corresponding function button on the proprietary telephone. (Refer to "When You Use a Panasonic Proprietary Telephone".)	(waiting icon)	Wait for an answer.
desired no.	Enter the required number. <Example> **account code** Enter the account code.	(talk icon)	Talk.
extension no.	Dial an extension number.	(tone icon)	You will hear a confirmation, dial, ring or ringback tone. C. Tone: confirmation tone D. Tone: dial tone R. Tone: ring tone R. B. Tone: ringback tone
phone no.	Dial the telephone number.	(tone icon)	One short beep

◆◆ When You Use a Panasonic Proprietary Telephone

If you use a Panasonic proprietary telephone and the DSS Console, they may have some of the useful function buttons listed below. These buttons make operations simple. The illustrations may differ from the buttons on your telephone.

Table 2

ANSWER	Used to answer an incoming call.	**MESSAGE**	Used to leave a message waiting indication or call back the party who left the message waiting indication.
AUTO ANSWER / MUTE	Used to receive an incoming intercom call in the hands-free mode or mute the microphone during a conversation.	**MONITOR**	Used for hands-free dialing. You can monitor the party's voice hands-free.
AUTO DIAL / STORE	Used for System Speed Dialling or storing program changes.	**PAUSE**	Used to insert a pause during dialing. Used to enter the programming mode instead of using the PROGRAM button.

Table 2

(CO)	CO: Used to make or receive an outside call. A Loop-CO button supports all lines. Pressing this button seizes an idle line automatically. (Button assignment is required.) (Only the CO "number" (e.g. 1, 2) may be shown on some telephones.)	PROGRAM	Used to enter and exit the Programming mode.
CONF	Conference: Used to establish a three-party conversation.	(PF)	Programmable Function: *Located on the upper part of the CO button or on the DSS Console.* Assigns the desired button and used to access the stored function. Mostly used as a one-touch dialing button. (Only the "F and number" may be shown on some telephones.)
(DSS)	DSS: Used to access the extension. (Only the "S" may be shown on some telephones.)	REDIAL	Used to redial.
FLASH	Used to send a flash signal to the Central Office or another connected PBX. Or used to disconnect the current call and make another call without hanging up.	RELEASE	Used to disconnect the line.
	Function: *Located beside the display.* Used to perform the displayed function or operation.	(SAVE)	Used to store a dialed phone number and redial.
FWD/DND	Call Forwarding / Do Not Disturb: Used to perform Call Forwarding or Do Not Disturb.	SHIFT	Used to alternate between the subfunctions on the display.
	Jog Dial: Used to adjust the volume and the display contrast or select desired items for each function.		Soft: Used to perform a function or operation appearing on the bottom line of the display.
HOLD	Used to place a call on hold.	SP-PHONE	Speakerphone: Used for the hands-free operation.
INTERCOM	Used to make or receive an intercom call.	TRANSFER	Used to transfer a call to another party.

<div align="center">***Table 2***</div>

	Used to adjust the ringer and speaker volume and the display contrast.	If the term is in parentheses like (Account) in this section, it means a flexible button has been made into an "Account" button.
	Used to monitor an intercom call automatically, but it cannot be used for hands-free conversations. It also mutes the handset microphone during a conversation.	

◆◆ *Using a Jog Dial*

The Jog Dial can be used for the display contrast and the volume control or you can search for desired items on the display. Rotate the Jog Dial in the either direction as desired. The contrast or the volume level and the items will change as follows:

Left
(counter-clockwise)

Level **decreases**

To the **previous** item

Right
(clockwise)

Level **increases**

To the **next** item

Figure 7:
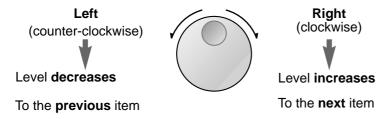
◆◆ *How to Follow the Steps*

A sample operation is shown below.

Feature title

2.2.5   Calling Without Restrictions

Sub feature title

◆◆ *Using an account code (Account Code Entry)*

An Account Code gives information about outside calls for accounting and billing purposes.
You may not be able to make an outside call without an account code entry.
The mode is assigned to each user. Ask your manager for your mode.

Description

PT / SLT

Off-hook. → Press "**ACCNT**", **Account** or dial **49**. → Enter **account code** (max. 10 digits). → Press **#** or dial **99**.

C.Tone → Press **CO** or enter **line access number** (9 or 801-848). → Enter **phone number**.

Operation steps
The description of the icons are explained on page 20 and the inside back cover of this manual.

Conditions

- **A Panasonic proprietary telephone user** can enter an account code during a conversation and when hearing a reorder tone after the other party hangs up.
- **If you enter the wrong code**, press the " ✳ " key while entering the account code and then re-enter the code.
- **To cancel the entry**, press the Account button or the hookswitch while entering the code.
- **For your convenience**, you can store the code with the phone number in memory (e.g. Speed dialling).
- **If you hear a reorder tone**, the entered account code is wrong. Enter the correct code.

Customising Your Phone
   • **Customising the Buttons**
     Create or re-arrange an Account button.

Hints

!!

You may give a specified account code to extension users and check their telephone usage. You can specify an account code to each client and check the call duration.

Programming References: The related or required programming is noted. To programme, see "Customising Your Phone & System".

Figure 8:

2.2 Making Calls

2.2.1 Basic Calling
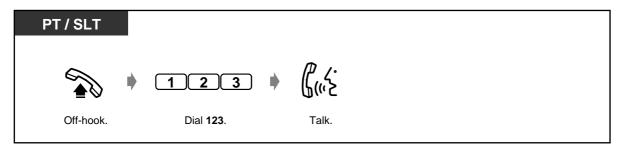
◆◆ *Calling another extension*

◆ *To another extension (Intercom Call)*

PT / SLT			
Off-hook.	Enter **extension number** or press **DSS**.	Talk.	

extension no.
OR
(DSS)
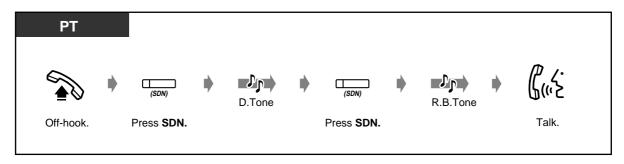
<Example>
When you call Mr. Thomas....
Mr. Thomas's extension number is 123.

PT / SLT		
Off-hook.	Dial **123**.	Talk.

1 2 3

◆ *To another extension (PDN Call)*

PT						
Off-hook.	Press **SDN**.	D.Tone	Press **SDN**.	R.B.Tone	Talk.	

(SDN)   *(SDN)*

- The DSS button light shows the current status as follows:
  Off: The extension is idle.
  Red on: You or another extension is using the line.

!! • **Do you have an extension directory?**
Complete the directory on "Extension" in 5.3   Directory and make a photo copy for your reference.
• **For quick operation**
If you are an operator or dial some extensions frequently, the DSS button is useful.

☞ 4.1   Customising Your Phone (Station Programming)
• 4.1.2   Customising the Buttons
Create or re-arrange a DSS button.

◆ *To an operator (Operator Call)*

PT / SLT

Off-hook. ➡ **0**

Dial **0**.
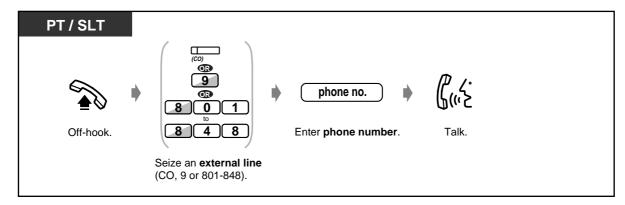
◆◆ *Calling an external party*

You have to seize an outside line before dialing an outside phone number because external calls are made via your system.
Select one of the following methods:

• Press an idle *(CO)* button.

• Dial automatic line access number **9** .
An idle line is selected automatically.

• Dial trunk group access number **8 0 1** to **8 4 8** .
A specific line is selected.

PT / SLT

Off-hook. ➡ *(CO)* **OR 9 OR 8 0 1** to **8 4 8** ➡ **phone no.** ➡ Talk.

Seize an **external line**
(CO, 9 or 801-848). Enter **phone number**.

- The CO button light shows the current status as follows:
  Off: The line is idle.
  Green on: You are using the line.
  Red on: The line is in use.
- **Emergency call**
  You can dial pre-programmed emergency numbers without any restrictions.

- **Hands-free operation**
  You can have a conversation in the hands-free mode using the SP-PHONE button. You can then perform other tasks at the same time.
  Helpful hints for hands-free operation

  Use your telephone in a quiet room for best performance.
  If the other party has difficulty hearing you, decrease the volume.
  If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.
- To select the less expensive line automatically, dial "9" or press the Loop-CO button to seize a line.(Automatic Route Selection)
- **If you misdial,** press the FLASH button or the hookswitch lightly and then re-dial. The line will remain engaged.

4.1 Customising Your Phone (Station Programming)
  - 4.1.1 Initial Settings
    Preferred Line Assignment — Outgoing
    Select the seized line when going off-hook.

4.3 Customising Your System (System Programming)
  - 4.3.2 System Speed Dialling Number Set (001)
  - 4.3.3 System Speed Dialling Name Set (002)
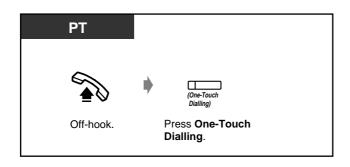
2.2.2   Easy Dialling

This is convenient for frequently dialed phone numbers.

—With one button   —To a pre-set party by going off-hook
—Using numbers stored at your extension   —Using a single digit number
—Using numbers stored in the system   —To a Phantom extension

With one button (One-Touch Dialling)
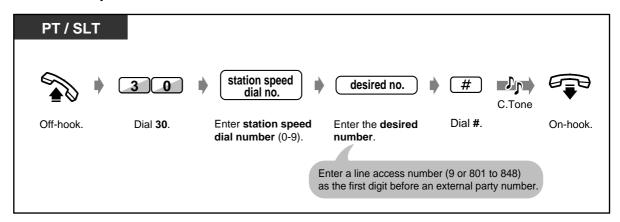
PT	
Off-hook.	Press **One-Touch Dialling**.

4.1   Customising Your Phone (Station Programming)
- 4.1.1   Initial Settings**— Full One-Touch Dialling Assignment**
  Allow or cancel the one-touch operation while on-hook. (Default: Allow)
- 4.1.2   Customising the Buttons
  Create or re-arrange the One-Touch Dialling button and store the desired number, phone number, feature number, etc.

Using numbers stored at your extension (Station Speed Dialling)

You can store up to 10 numbers at your extension for your personal use.

To store a phone number

PT / SLT					
Off-hook.	Dial **30**.	Enter **station speed dial number** (0-9).	Enter the **desired number**.	Dial **#**. C.Tone	On-hook.
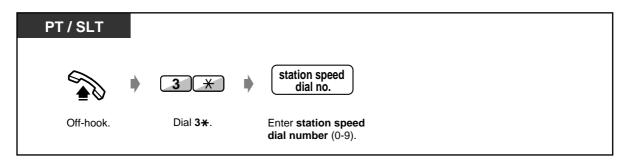
Enter a line access number (9 or 801 to 848) as the first digit before an external party number.
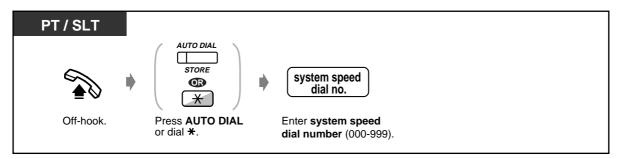
- "✱" and PAUSE can also be stored as digits.

◆ *To dial*

PT / SLT

Off-hook. → Dial **3✱**. → Enter **station speed dial number** (0-9).

station speed
dial no.

◆◆ *Using numbers stored in the system (System Speed Dialling)*

Up to 1000 frequently dialed numbers can be stored in the system. Refer to the directory "System Speed Dialling" in 5.3   Directory.

PT / SLT

Off-hook. → Press **AUTO DIAL** or dial **✱**. → Enter **system speed dial number** (000-999).

AUTO DIAL
STORE
OR
✱

system speed
dial no.

- More than one speed dial number can be used for long telephone numbers, if the number is divided when stored.

  <Example>
  If the number is divided and stored in system speed dial numbers 001 and 002:
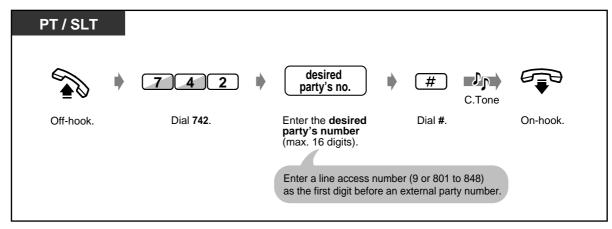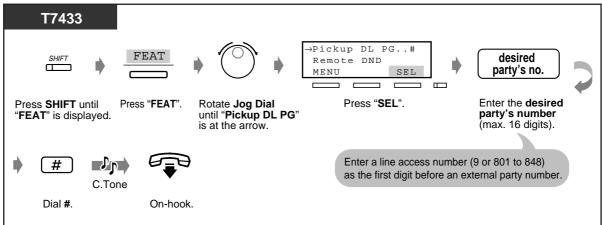
  AUTO DIAL
  STORE 0 0 1 AUTO DIAL
  STORE 0 0 2

4.3   Customising Your System (System Programming)
- 4.3.2   System Speed Dialling Number Set (001)
- 4.3.3   System Speed Dialling Name Set (002)
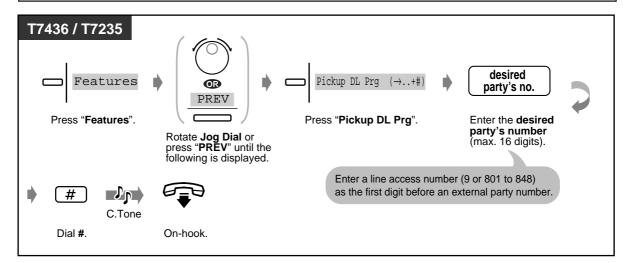
◆◆ *To a pre-set party by going off-hook (Pickup Dialling)*

You can make an extension or outside call simply by going off-hook if you pre-assigned.

◆ *To store a phone number*

PT / SLT

Off-hook. → Dial **742**. → Enter the **desired party's number** (max. 16 digits). → Dial **#**. C.Tone → On-hook.

Enter a line access number (9 or 801 to 848) as the first digit before an external party number.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**Pickup DL PG**" is at the arrow. →

```
→Pickup DL PG..#
 Remote DND
 MENU        SEL
```

Press "**SEL**". → Enter the **desired party's number** (max. 16 digits).

Enter a line access number (9 or 801 to 848) as the first digit before an external party number.

→ Dial **#**. C.Tone → On-hook.

T7436 / T7235

Press "**Features**". → Rotate **Jog Dial** or press "**PREV**" until the following is displayed. → Press "**Pickup DL Prg**". `Pickup DL Prg (→..+#)` → Enter the **desired party's number** (max. 16 digits).

Enter a line access number (9 or 801 to 848) as the first digit before an external party number.

→ Dial **#**. C.Tone → On-hook.

◆ *To set / cancel*

PT / SLT

Off-hook. ▶ Dial **74**. ▶ Dial **1** to set or **0** to cancel. C.Tone ▶ On-hook.

7 4

1 Set
OR
0 Cancel

T7433

SHIFT ▶ FEAT ▶ Rotate Jog Dial ▶ →Pickup Dial 1/0
Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**". Rotate **Jog Dial** until "**Pickup Dial**" is at the arrow. Pickup DL PG..# MENU SEL ↵
Press "**SEL**".

1 Set
OR
0 Cancel

Dial **1** to set or **0** to cancel. C.Tone On-hook.

T7436 / T7235

Features ▶ Rotate **Jog Dial** or press "**PREV**" until the following is displayed. ▶ Pickup Dialing (→1/0) ▶ Dial **1** to set or **0** to cancel. C.Tone On-hook.
Press "**Features**". Press "**Pickup Dialing**".

PREV

1 Set
OR
0 Cancel

◆ *To dial*

PT / SLT

Off-hook.

- **To call another party,** dial the desired party's phone number before the pre-set line is connected.(Default: 1 second)
- "✳" can also be stored as a digit.
- This feature is not available for an ISDN telephone user.
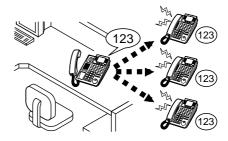
◆◆ *Using a single digit number (Quick Dialling)*

PT / SLT	
Off-hook.	quick dial no. Enter **quick dial number**.
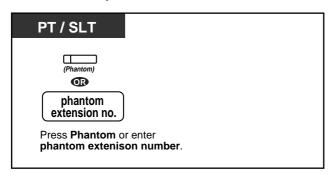
◆◆ *To a Phantom extension*

You can call extensions associated with a Phantom extension. The call arrives at all extensions who have the corresponding Phantom extension button.

◆ *To call to a phantom extension*

PT / SLT
▭ *(Phantom)* **OR** phantom extension no. Press **Phantom** or enter **phantom extenison number**.

◆ *To answer*

PT / SLT		
□▭ *(Phantom)*	**OR**	☎⬆
Press **Phantom**.		Off-hook.
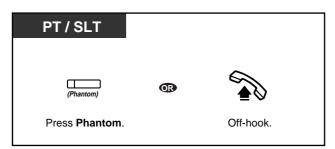
- The Phantom extension button light shows the current status as follows:
  Off: Idle
  Red on: You are calling a phantom extension.
  Flashing green: Incoming call
- To set ringing or not, refer to 4.1 Customising Your Phone (Station Programming).

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Phantom extension button.

2.2.3 Redial

This is convenient when calling the same external party again.
— Redialling the last outside phone number you dialed
— Saving the outside phone number for redialling
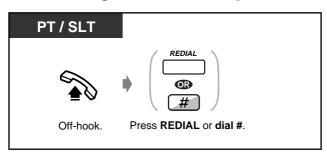
- Up to 24 digits can be programmed and redialled. The line access number is not counted as a digit.

- **To redial automatically,** go off-hook with the SP-PHONE button or press the REDIAL button directly. It will keep trying the busy number until the called party answers within a specified time **(Automatic Redial)**. You can perform other tasks during automatic redialling. To cancel, press the FLASH button.
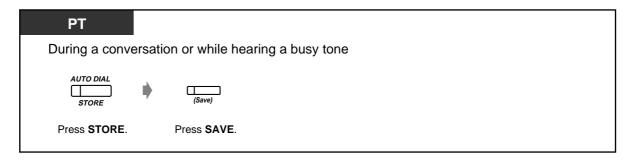
4.1 Customising Your Phone (Station Programming)
- 4.1.1 Initial Settings **— Full One-Touch Dialing Assignment**
  Allow or cancel the one-touch operation while on-hook. (Default: Allow)

Redialling the last outside phone number you dialed (Last Number Redial)

PT / SLT	
	REDIAL
	OR
	#
Off-hook.	Press **REDIAL** or **dial #**.
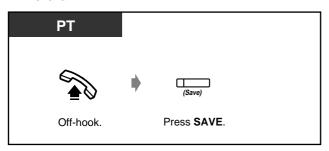
Saving the outside phone number for redialling (Saved Number Redial)

The saved number remains intact until another number is stored.

◆ *To save*

PT
During a conversation or while hearing a busy tone
AUTO DIAL / *STORE* → *(Save)*
Press **STORE**.   Press **SAVE**.

◆ *To dial*

PT	

Off-hook.   Press **SAVE**.

4.1   Customising Your Phone (Station Programming)
   • 4.1.2   Customising the Buttons
   Create or re-arrange a SAVE button.

2.2.4   When the Dialled Line is Busy or There is No Answer

— Reserving a busy line   — Leaving a message waiting indication
— Sending a call waiting tone   — Joining an existing call
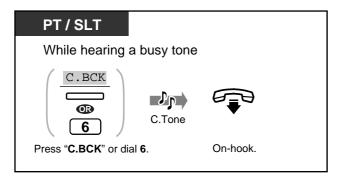
◆◆ *Reserving a busy line (Automatic Callback Busy)*
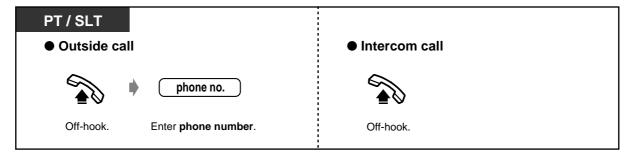
You can set the telephone to receive call-back ringing when a dialed line becomes idle.
When you answer the call-back ringing:

For an outside call: The line is seized.
For an intercom call: The called extension starts ringing automatically.

PT / SLT
While hearing a busy tone

Press "**C.BCK**" or dial **6**.   On-hook.

◆ *To answer and call*

PT / SLT	
● **Outside call**	● **Intercom call**

Off-hook.   Enter **phone number**.   Off-hook.
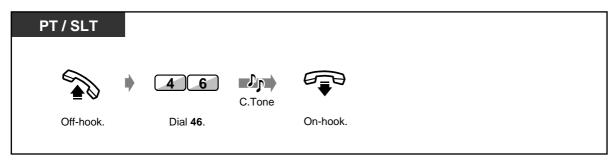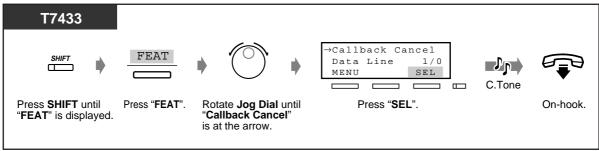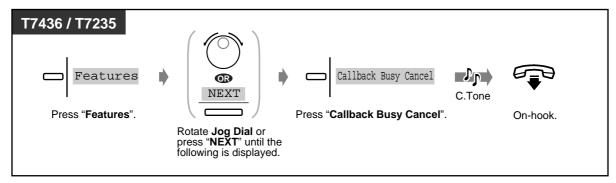
- If you do not answer the recall ringing within 10 seconds (four call-back rings), this feature will be canceled.
- This feature is not available for an ISDN telephone user.

◆ *To cancel*

PT / SLT

Off-hook.   Dial **46**.   C.Tone   On-hook.

T7433

SHIFT → FEAT → (Jog Dial) →
```
→Callback Cancel
 Data Line    1/0
 MENU        SEL
```
→ C.Tone → On-hook.

Press **SHIFT** until "**FEAT**" is displayed.   Press "**FEAT**".   Rotate **Jog Dial** until "**Callback Cancel**" is at the arrow.   Press "**SEL**".   On-hook.

T7436 / T7235

Features → (Jog Dial) **OR** NEXT → Callback Busy Cancel → C.Tone → On-hook.

Press "**Features**".   Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.   Press "**Callback Busy Cancel**".   On-hook.

◆◆ *Sending a call waiting tone (Busy Station Signaling [BSS])*

The other party will know your call is waiting.

PT / SLT

While hearing a busy tone

BSS
OR
1

Press "**BSS**" or dial **1**.
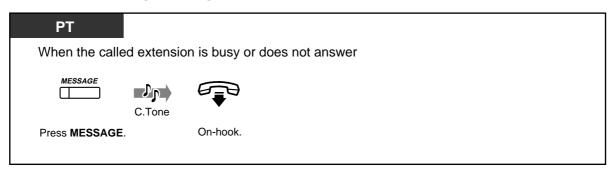
- **If "BSS" is not displayed or you hear a reorder tone,** this feature is not set at the other party's phone. This feature is only available if the called extension has set the "Call Waiting" feature.
- **Depending on the other party's telephone,** the "Off-Hook Call Announcement (OHCA)" or the "Whisper OHCA" functions can be applied. You can talk to the other party through the speaker and the microphone (OHCA) or you only send a call announcement through the handset (Whisper OHCA), while they are having another conversation using the handset.
- This feature is not available for an ISDN telephone user.

Leaving a message waiting indication (Message Waiting)
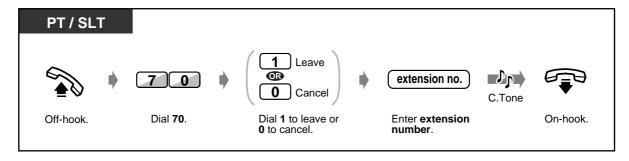
If the other extension is busy or does not answer your call, you can leave a message waiting indication (MESSAGE button light turns on and / or indication tone* is emitted when going off-hook) on that extension. This prompts the other extension user to call you back.

To leave a message waiting indication

PT	
When the called extension is busy or does not answer	

MESSAGE

C.Tone

Press **MESSAGE**.   On-hook.

To leave / cancel a message waiting indication

PT / SLT	

Off-hook.   Dial **70**.   [1] Leave **OR** [0] Cancel   extension no.   C.Tone   On-hook.

Off-hook.   Dial **70**.   Dial **1** to leave or **0** to cancel.   Enter **extension number**.   On-hook.

◆ *To leave / cancel a message waiting indication (contd.)*

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until "**MSG Off**" or "**MSG On**" is at the arrow.

```
→MSG Off      ext
 MSG On       ext

 MENU         SEL
```

Press "**SEL**".
"**MSG On**": Leave
"**MSG Off**": Cancel

extension no.

Enter **extension number**.

C.Tone

On-hook.

T7436 / T7235

Features

Press "**Features**".

OR

NEXT

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Cancel

```
Message Off (→ext)
Message On  (→ext)
```

Leave

Press "**Message On**" to leave or "**Message Off**" to cancel.

extension no.

Enter **extension number**.

C.Tone

On-hook.

◆ *To check and select the party*

D – PT

While on-hook

MESSAGE

Press **MESSAGE**
until the desired extension appears.
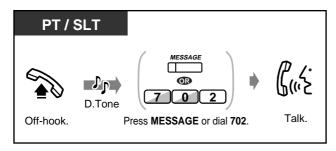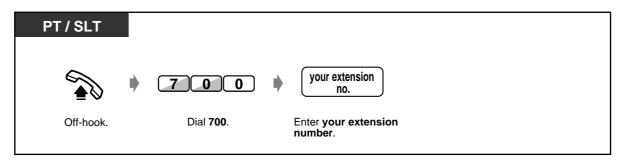
- The extension number and name of the massage senders are shown in the received order.
- Single line telephone users may hear a special ring tone as notification while on-hook, if required.
- This feature is not available for an ISDN telephone user.
- *Indication tone

1 s

◆ *To call back*

PT / SLT

MESSAGE

OR

7 **0** **2**

Off-hook. | Press **MESSAGE** or dial **702**. | Talk.

D.Tone

◆ *To clear all message waiting indications*
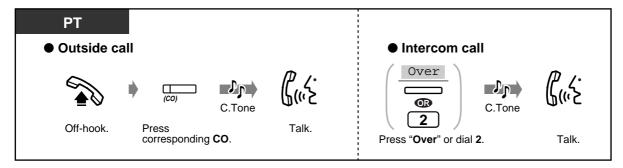
PT / SLT

7 **0** **0**

your extension no.

Off-hook. | Dial **700**. | Enter **your extension number**.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
Create or re-arrange a MESSAGE button.

◆ *Joining an existing call (Executive Busy Override)*
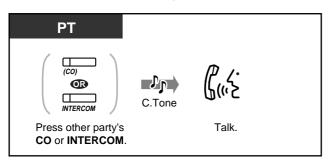
You can call the party who is talking with another on the telephone or add a third party to your existing conversation.

◆ *To join*

PT	
● **Outside call**	● **Intercom call**

Off-hook.   Press corresponding **CO**.   C.Tone   Talk.

Press "**Over**" or dial **2**.   C.Tone   Talk.

◆ *To terminate one party and talk with another*

PT

Press other party's **CO** or **INTERCOM**.   C.Tone   Talk.

- You can also deny others the possibility of joining your conversation **(Exective Busy Override Deny)** (Default: Allow). Refer to 2.7 Setting the Telephone According to Your Needs.

2.2.5   *Calling without Restrictions*

— Using an account code   — To an extension refusing the call
— Using your password   — Changing the dialing mode
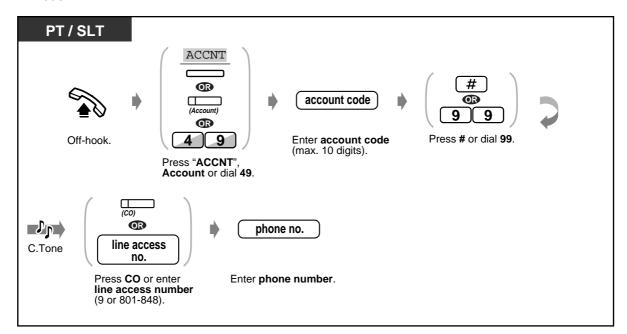
◆◆ *Using an account code (Account Code Entry)*

An Account Code gives information about outside calls for accounting and billing purposes. You may not be able to make an outside call without an account code entry depending on your account code entry mode. One of three modes is assigned to each extension. Ask your System Manager about your mode.

- • **A Panasonic proprietary telephone user** can enter an account code during a conversation and when hearing a reorder tone after the other party hangs up.

- • **If you enter the wrong code,** press the "✶" key while entering the account code and then re-enter the code.

- • **To cancel the entry,** press the Account button or the hookswitch while entering the code.

- • **For your convenience,** you can store the code with the phone number in memory (e.g. Speed dialing).

- • **If you hear a reorder tone**, the entered account code is wrong. Enter the correct code.

- • The System Manager may give a specified account code to extension users and check their telephone usage. The System Manager can specify an account code to each client and check the call duration.
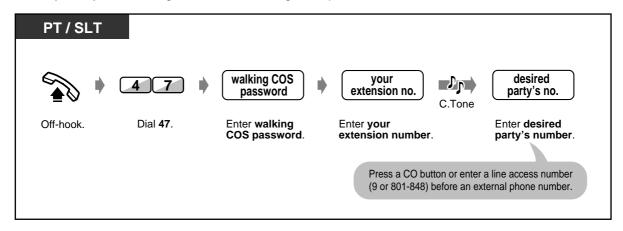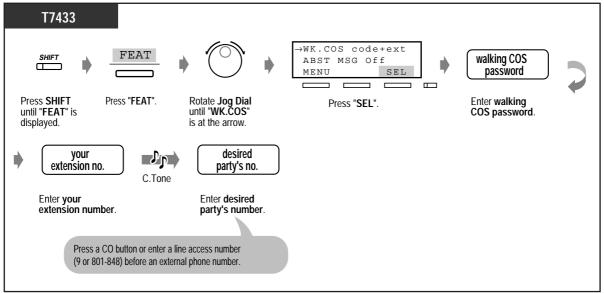
☞ 4.1   Customising Your Phone (Station Programming)
   • 4.1.2   Customising the Buttons
     Create or re-arrange an Account button.
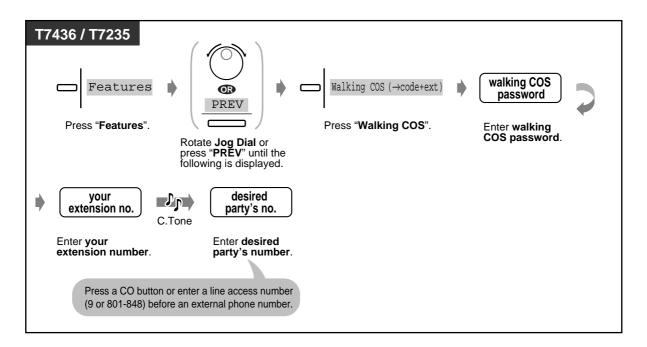
◆◆ *Using your calling privilege at another extension (Walking COS)*

You can use your calling privileges (Class of Service) at another extension. You may override restrictions which may be set at the extension. To perform this feature, pre-programmed walking COS password is required.
Ask your System Manager about the walking COS password.

PT / SLT

Off-hook.	Dial **47**.	Enter **walking COS password**.	Enter **your extension number**. C.Tone	Enter **desired party's number**.

Press a CO button or enter a line access number (9 or 801-848) before an external phone number.

T7433

Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**".

Rotate **Jog Dial** until "**WK.COS**" is at the arrow.

```
→WK.COS code+ext
 ABST MSG Off
 MENU        SEL
```

Press "**SEL**".

Enter **walking COS password**.

Enter **your extension number**.

C.Tone

Enter **desired party's number**.

Press a CO button or enter a line access number (9 or 801-848) before an external phone number.

T7436 / T7235

⬭ | Features ➡ **OR** / PREV ➡ ⬭ | Walking COS (→code+ext) ➡ **walking COS password**

Press "**Features**". | Rotate **Jog Dial** or press "**PREV**" until the following is displayed. | Press "**Walking COS**". | Enter **walking COS password**.

➡ **your extension no.** ➡ 🎵 C.Tone ➡ **desired party's no.**

Enter **your extension number**. | Enter **desired party's number**.

Press a CO button or enter a line access number (9 or 801-848) before an external phone number.

The available functions are as follows:

- The outgoing call restriction level
- An outside call duration
- Transferring a call to an outside party
- Using an account code entry mode (Account Code Entry)
- The number of digits you can dial during an outside call.
- The outside lines you are permitted to use.

◆ *To call an extension who is refusing to receive the call (Do Not Disturb (DND) Override)*

PT / SLT

While hearing the DND tone

Over
⬭
OR
[1]

Press "**Over**" or dial **1**.
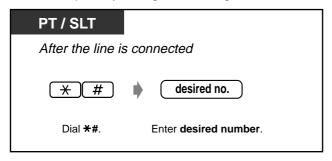
- Only a pre-programmed extension can execute this feature.
- This feature is not available for an ISDN telephone user.
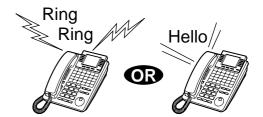
◆◆ *Changing the dialing mode (Pulse to Tone Conversion)*

To access services such as computer telephone services, Voice Mail, etc., that require a tone, you can temporarily change the dialing mode from Pulse to Tone.

PT / SLT
After the line is connected
[✱] [#] ➡ (desired no.)
Dial ✱#.   Enter **desired number**.
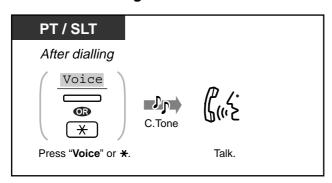
2.2.6 Alternating the Calling Method (Alternate Calling — Ring / Voice)
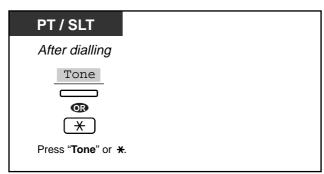
The calling method, either ring or voice, is set by the called extension when an intercom call is received. However, you can change the method temporarily. With Voice-Calling, you can talk to the party as soon as the line is connected. (Default: Ring-Calling)

◆ *For voice-calling*

PT / SLT
After dialling
Voice   OR   ✳   ➡🎵➡ C.Tone   📞
Press "**Voice**" or ✳.   Talk.

◆ *For ring-calling*

PT / SLT
After dialling
Tone   OR   ✳
Press "**Tone**" or ✳.

• If the called party uses a single line telephone, only Ring-Calling is available.

4.1 Customising Your Phone (Station Programming)
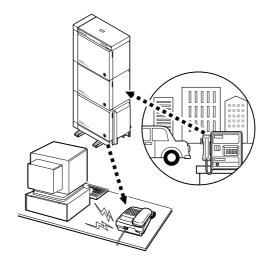
  • 4.1.1 Initial Settings — **Intercom Alert Assignment**
    Which way do you prefer to receive an intercom call?
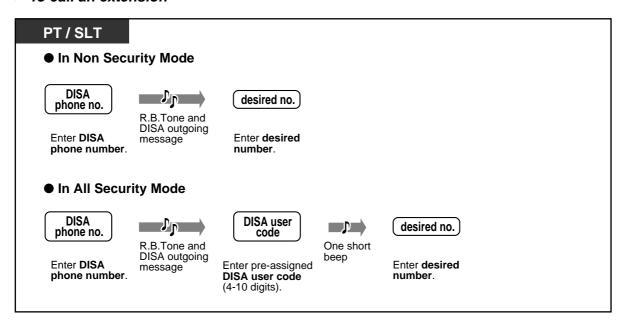
2.2.7 To Access Another Party Directly from Outside (Direct Inward System Access [DISA])

External callers can call extensions in the KX-TD500 system. An outgoing message greets the caller and gives information about how to access an extension. You do not need the operator's assistance.
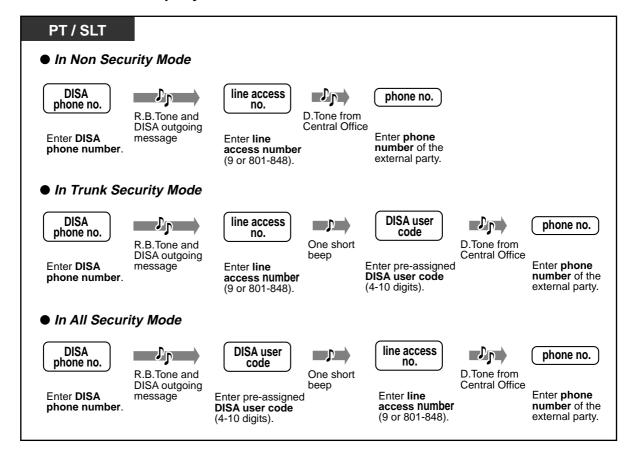
You may not be able to access the features without a DISA user code depending on the security mode. Ask your manager for the mode assigned to your system.

◆ **To call an extension**

PT / SLT

● **In Non Security Mode**

DISA phone no.	→ ♪	desired no.
	R.B.Tone and DISA outgoing message	
Enter **DISA phone number**.		Enter **desired number**.

● **In All Security Mode**

DISA phone no.	→ ♪	DISA user code	→ ♪	desired no.
	R.B.Tone and DISA outgoing message		One short beep	
Enter **DISA phone number**.		Enter pre-assigned **DISA user code** (4-10 digits).		Enter **desired number**.
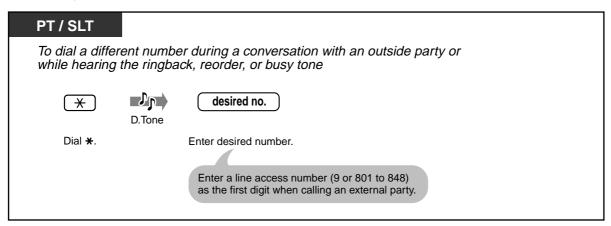
Operation

◆ *To call an external party*

PT / SLT

● *In Non Security Mode*

| DISA phone no. | → R.B.Tone and DISA outgoing message | line access no. | → D.Tone from Central Office | phone no. |

Enter **DISA phone number**.

Enter **line access number** (9 or 801-848).

Enter **phone number** of the external party.

● *In Trunk Security Mode*

| DISA phone no. | → R.B.Tone and DISA outgoing message | line access no. | → One short beep | DISA user code | → D.Tone from Central Office | phone no. |

Enter **DISA phone number**.

Enter **line access number** (9 or 801-848).

Enter pre-assigned **DISA user code** (4-10 digits).

Enter **phone number** of the external party.

● *In All Security Mode*

| DISA phone no. | → R.B.Tone and DISA outgoing message | DISA user code | → One short beep | line access no. | → D.Tone from Central Office | phone no. |

Enter **DISA phone number**.

Enter pre-assigned **DISA user code** (4-10 digits).

Enter **line access number** (9 or 801-848).

Enter **phone number** of the external party.

◆ *To re-try*

PT / SLT

To dial a different number during a conversation with an outside party or while hearing the ringback, reorder, or busy tone

| ✳ | → D.Tone | desired no. |

Dial ✳.

Enter desired number.

Enter a line access number (9 or 801 to 848) as the first digit when calling an external party.

• **If a call between two external parties (you and the other party outside of the office) is established,** both parties will hear an alert tone 15 seconds before the time limit (Default: 10 min.) expires. The can extend the call duration time, by dialing any key except "✳" while hearing an alert tone.

• If the wrong DISA user code is entered three times consecutively, the call will be disconnected automatically.

2.3 Receiving Calls

2.3.1 Answering Calls

PT / SLT

Off-hook. ➡ Talk.

Select one of the following methods:
· Lift the handset to receive the preferred line.
 (Default: Ringing line is selected.)
· Press the SP-PHONE or MONITOR* button.
· Press the flashing red CO, green INTERCOM or green DN button directly.

When going off-hook using the MONITOR button, you have to lift the handset to talk to the other party.

- **Hands-free operation**
  You can have a conversation in the hands-free mode with the SP-PHONE button. You can perform other tasks at the same time.
  Helpful hints for the hands-free operation
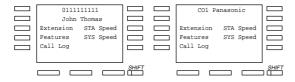
  Use your telephone in a quiet room for best performance.

  If the other party has difficulty hearing you, decrease the volume.

  If you and the other party talk at the same time, parts of your conversation will be lost. To avoid this, talk alternately.

- **If the Caller ID feature is available,** you may confirm the caller's phone number and name before answering an outside call.
  Pressing the SHIFT button displays the outside line number and name.
  <Example>

```
        0111111111                          C01 Panasonic
       John Thomas
 Extension   STA Speed              Extension   STA Speed
 Features    SYS Speed              Features    SYS Speed
 Call Log                           Call Log
                    SHIFT                               SHIFT
```

The caller's information from your telephone company will only be sent to the pre-assigned extension.
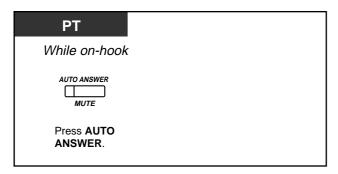
4.1   Customising Your Phone (Station Programming)

- 4.1.1   Initial Settings**— Preferred Line Assignment — Incoming**
  Select the seized line when going off hook.
  Intercom Alert Assignment
  Select the Calling method, either ring or the other party's voice.

- 4.1.2   Customising the Buttons
  Re-arrange the CO button and change the ringing tone for each CO button.

2.3.2   Answering Hands-free (Hands-free Answerback)

You can answer an intercom call without going off-hook as soon as the line is
connected. You will hear the caller talking without the phone ringing.

◆ *To set / cancel*

PT
While on-hook
AUTO ANSWER   **MUTE**   Press **AUTO ANSWER**.

- The AUTO ANSWER button light shows the current status as follows:
  On: Set.
  Off: Not set.
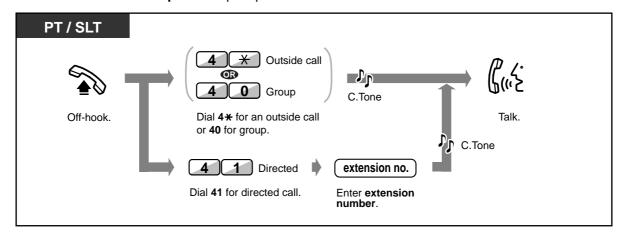
2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)
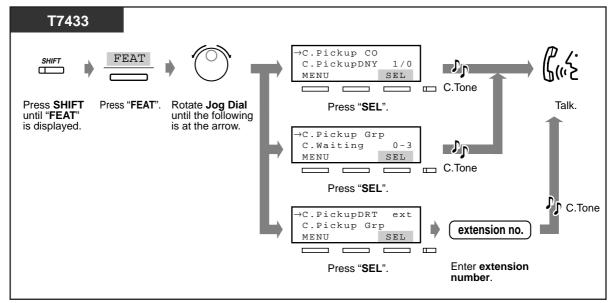
You can answer an incoming call that is ringing at another extension from your phone without leaving your desk.
The following types are available:
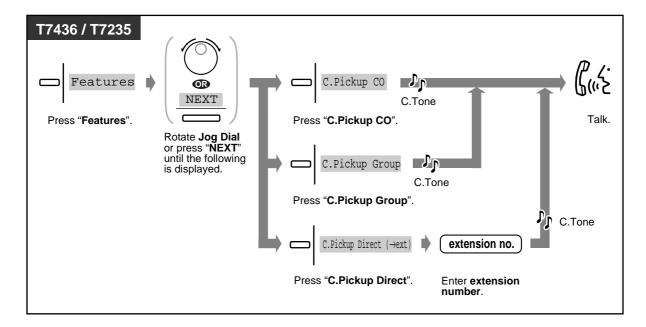
Outside (CO) Call Pickup: Picks up an outside call.
Group Call Pickup: Picks up a call within your extension group.
Directed Call Pickup: Picks up a specified extension's call.

PT / SLT

Off-hook.

4 **✳** Outside call
OR
4 **0** Group

Dial **4✳** for an outside call or **40** for group.

4 **1** Directed

Dial **41** for directed call.

extension no.

Enter **extension number**.

C.Tone

C.Tone

Talk.

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until the following is at the arrow.

→C.Pickup CO
C.PickupDNY 1/0
MENU   SEL

Press "**SEL**".

→C.Pickup Grp
C.Waiting   0-3
MENU   SEL

Press "**SEL**".

→C.PickupDRT ext
C.Pickup Grp
MENU   SEL

Press "**SEL**".

extension no.

Enter **extension number**.

C.Tone

C.Tone

C.Tone

Talk.

T7436 / T7235

Features		
Press "**Features**".		
	OR NEXT	
	Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.	

C.Pickup CO

Press "**C.Pickup CO**".

C.Tone

Talk.

C.Pickup Group

Press "**C.Pickup Group**".

C.Tone

C.Tone

C.Pickup Direct (→ext)

Press "**C.Pickup Direct**".

extension no.

Enter **extension number**.

C.Tone

- **If you receive a call waiting tone,** you can ask a third party to pick up your second call with Directed Call Pickup.
- "Group Call Pickup" is not available for an ISDN telephone user.
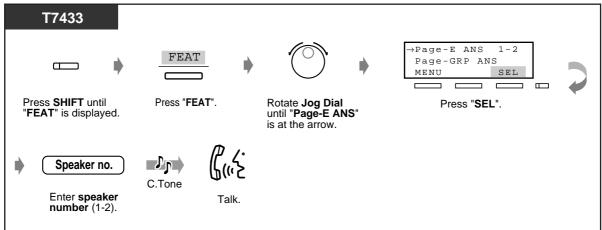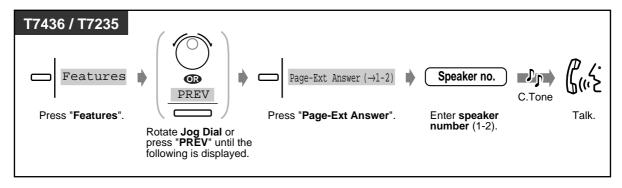
- You can also deny other people the possibility of picking up your calls **(Call Pickup Deny)**. Refer to 2.7 Setting the Telephone According to Your Needs.

2.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS])

You can answer an incoming outside call ringing at an external speaker from any extension.

PT / SLT

Off-hook. ▸ Dial **42**. ▸ Enter **speaker number** (1-2). ▸ C.Tone ▸ Talk.

T7433

Press **SHIFT** until "**FEAT**" is displayed. ▸ Press "**FEAT**". ▸ Rotate **Jog Dial** until "**Page-E ANS**" is at the arrow. ▸

```
→Page-E ANS  1-2
 Page-GRP ANS
 MENU        SEL
```
Press "**SEL**".

▸ Enter **speaker number** (1-2). ▸ C.Tone ▸ Talk.

T7436 / T7235

Press "**Features**". ▸ Rotate **Jog Dial** or press "**PREV**" until the following is displayed. ▸ `Page-Ext Answer (→1-2)` Press "**Page-Ext Answer**". ▸ Enter **speaker number** (1-2). ▸ C.Tone ▸ Talk.

> ‼ • You can also answer a paging announcement via an external speaker with this operation.

2.4 During a Conversation
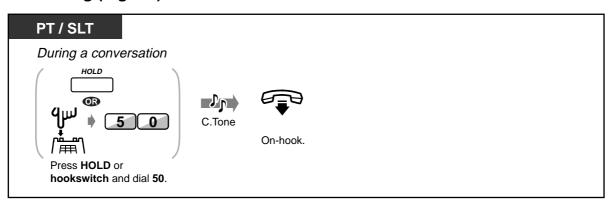
2.4.1 Holding a Call

— Holding
— Denying other people the possibility of retrieving your held calls
— Holding in a system parking zone
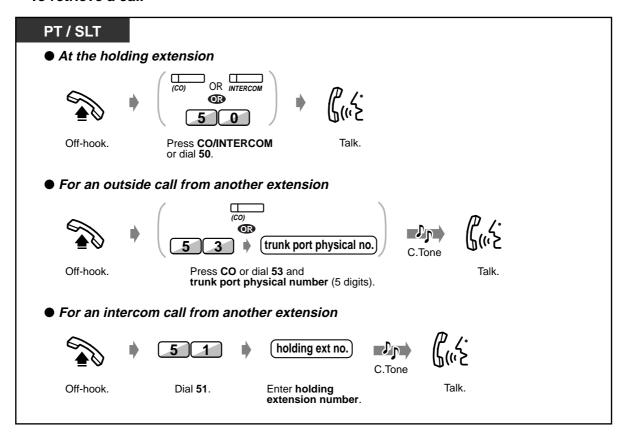
- **If a call is not retrieved within a specified time,** you will hear an alarm as a reminder.
- **If a call is not retrieved within 30 minutes,** it is automatically disconnected.

◆◆ *Holding (regular)*

PT / SLT

During a conversation

HOLD

OR

[5] [0]

Press **HOLD** or
hookswitch and dial **50**.

C.Tone

On-hook.

◆ *To retrieve a call*

PT / SLT

● *At the holding extension*

Off-hook.   Press **CO/INTERCOM**   Talk.
or dial **50**.

● *For an outside call from another extension*

Off-hook.   Press **CO** or dial **53** and   C.Tone   Talk.
trunk port physical number (5 digits).

● *For an intercom call from another extension*

Off-hook.   Dial **51**.   Enter **holding**   C.Tone   Talk.
extension number.

- The CO or INTERCOM button light shows the current status as follows:
  Flashing green: Your held call
  Flashing red: Another extension's held call
- A single line telephone user can hold either an intercom call or an outside call at one time.
- A proprietary telephone user can hold an intercom call and multiple outside calls.
- **To hold multiple intercom calls,** use the "Call Park" feature.
- This feature is not available for an ISDN telephone user.
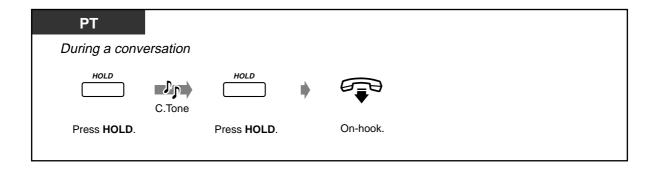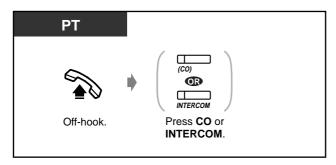
◆◆ *Denying other people the possibility of retrieving your held calls (Exclusive Call Hold)*

Only the held extension can retrieve the call.

PT

During a conversation

Press **HOLD**.   C.Tone   Press **HOLD**.   On-hook.

◆ *To retrieve a call*

PT

Off-hook.   Press **CO** or **INTERCOM**.
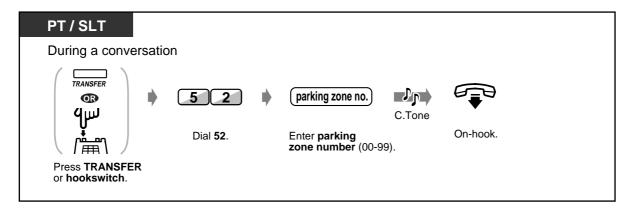
> • You can hold an intercom call and multiple outside calls.
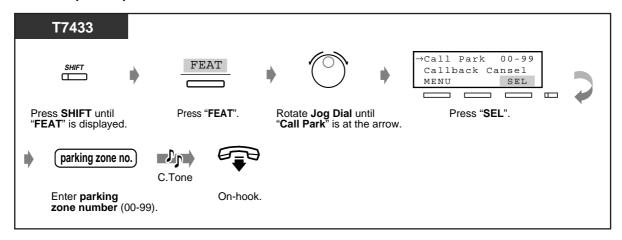
◆◆ Holding a call in a system parking zone (Call Park)
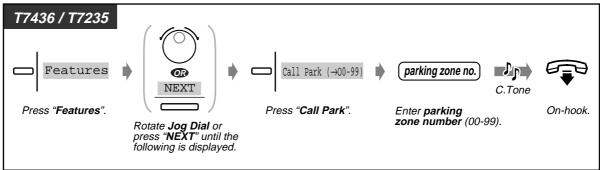
You can park a call and perform other operations. The parked call can be retrieved by any extension. Up to 100 calls can be parked. This function is not available for an ISDN telephone user.

◆ *To set*

PT / SLT

During a conversation

Press **TRANSFER** or **hookswitch**.   Dial **52**.   Enter **parking zone number** (00-99).   C.Tone   On-hook.

◆ *To set (contd.)*

T7433

SHIFT ⬜ ➡ FEAT ⬜ ➡ 🔄 ➡

```
→Call Park  00-99
 Callback Cansel
 MENU        SEL
```

Press **SHIFT** until "**FEAT**" is displayed.   Press "**FEAT**".   Rotate **Jog Dial** until "**Call Park**" is at the arrow.   Press "**SEL**".

➡ (parking zone no.) ♪➡ C.Tone 📞 On-hook.

Enter **parking zone number** (00-99).

T7436 / T7235

⬜ Features ➡ 🔄 *OR* NEXT ⬜ ➡ ⬜ Call Park (→00-99) ➡ (parking zone no.) ♪➡ C.Tone 📞 On-hook.

*Press "**Features**".*   *Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.*   *Press "**Call Park**".*   *Enter **parking zone number** (00-99).*

◆ *To retrieve*

PT / SLT

📞 Off-hook. ➡ [5][2] Dial **52**. ➡ (parking zone no.) ♪➡ C.Tone 📞 Talk.

*Enter **parking zone number** (00-99).*

◆ *To retrieve (contd.)*

T7433

SHIFT

Press **SHIFT** until
"**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until
"**Call Park**" is at the arrow.

```
→Call Park  00-99
 Callback Cansel
 MENU        SEL
```

Press "**SEL**".

parking zone no.

C.Tone

Enter **parking
zone number** (00-99).

Talk.

T7436 / T7235

Features

Press "**Features**".

OR

NEXT

Rotate **Jog Dial** or
press "**NEXT**" until the
following is displayed.

Call Park (→00-99)

Press "**Call Park**".

parking zone no.

C.Tone

Enter **parking
zone number** (00-99).

Talk.

!! • **If you hear a busy tone when entering the zone number,** the zone is in use.
Enter another number.
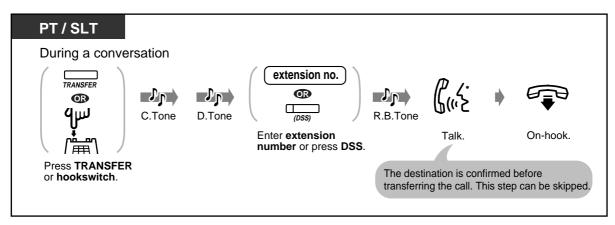
2.4.2   Talking to Two Parties Alternately (Call Splitting)

If a new call comes in on your extension when you are engaged in the call, you can answer the new call without loosing the current call. Then you can talk to either one of two parties alternately while putting the other on hold.
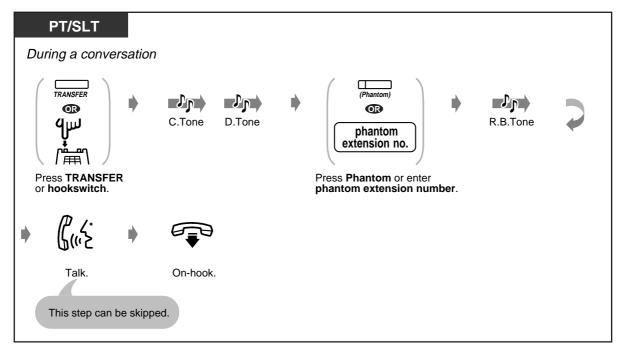
2.4.3 Transferring a Call
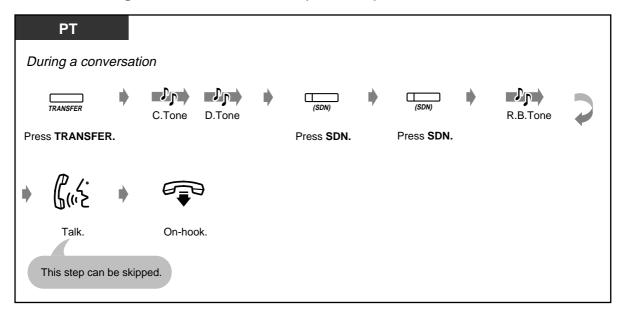
—Transferring a call to an extension   —Transferring a call to an external party

◆▸ *Transferring a call to an extension*

◆ *To transfer a call to a phantom extension*
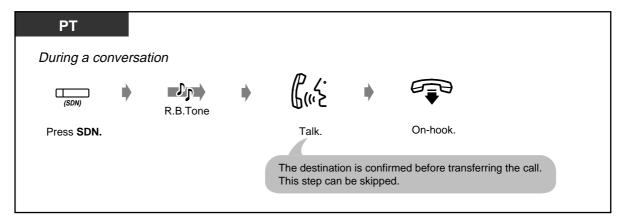
◆◆ *Transferring a call to an extension (PDN call)*

PT

During a conversation

TRANSFER ➡ C.Tone ➡ D.Tone ➡ (SDN) ➡ (SDN) ➡ R.B.Tone ↩

Press **TRANSFER.**   Press **SDN.**   Press **SDN.**

➡ Talk. ➡ On-hook.

This step can be skipped.
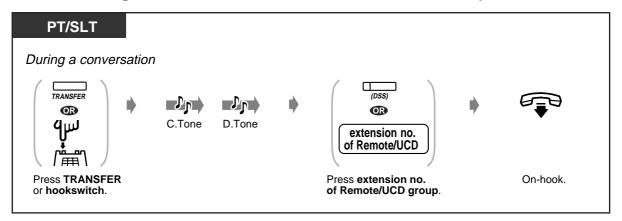
◆◆ *Transferring a call to an extension (Ringing Transfer)*

You can transfer a call on an SDN button to another extension with a simple operation.
The call will be transferred to the extension on which the PDN button (associated with your SDN button) is assigned.

PT

During a conversation

(SDN) ➡ R.B.Tone ➡ Talk. ➡ On-hook.

Press **SDN.**

The destination is confirmed before transferring the call.
This step can be skipped.
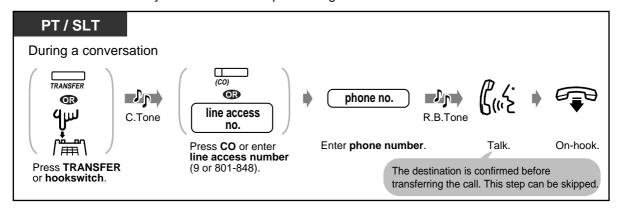
◆◆ *Transferring a call to the Remote Resource or a UCD Group*

PT/SLT

During a conversation

Press **TRANSFER** or **hookswitch**.　C.Tone　D.Tone　Press **extension no. of Remote/UCD group**.　On-hook.

◆◆ *Transferring a call to an external party*

Some extensions may be restricted from performing this function.

PT / SLT

During a conversation

Press **TRANSFER** or **hookswitch**.　C.Tone　Press **CO** or enter **line access number** (9 or 801-848).　Enter **phone number**.　R.B.Tone　Talk.　On-hook.

The destination is confirmed before transferring the call. This step can be skipped.

- **If you misdial,** press the FLASH button, and re-enter the number.
- **If a call between two external parties is established,** both parties will hear an alert tone 15 seconds before the time limit (Default: 10 min.) runs out. The original extension will hear an alarm 50 seconds before the time runs out.
- **To return to the held call,** press the TRANSFER button, corresponding CO, INTERCOM button, or the hookswitch, before the destination answers.
- **To return to the conversation,** press the corresponding CO button.
- **If you hear an alert tone,** the destination extension did not answer the call. Answer the call.
- This feature is not available for an ISDN telephone user.

!!

- **If you transfer a call with the DSS button,** you do not have to press the Transfer button **(One-Touch Transfer)**.
- You can transfer a call to busy phantom extensions or extensions in a ring group. The call is transferred when at least one extension becomes free. **(Camp-On Transfer)**
- The call will be released from your extension automatically after dialing the destination extension number **(Released Link Operation)**.
  If this feature is enabled by System Programming, you can perform another operation without going on-hook after transferring the call.
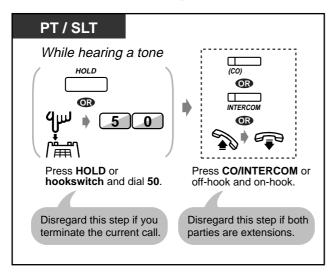
2.4.4 Answering a Call Waiting

—Answering a call waiting in the system
—Answering a call waiting from the central office

◆◆ *Answering a call waiting in the system*

During a conversation, a call waiting tone or voice announcement through the telephone speaker or the handset occurs when an outside call is received or another extension is letting you know another call is waiting. To activate this feature, set to "On". (Default: No tone) You can answer the second call by disconnecting the current call or placing it on hold.

◆ *To talk to the new party*

Press **HOLD** or **hookswitch** and dial **50**.	Press **CO/INTERCOM** or off-hook and on-hook.
Disregard this step if you terminate the current call.	Disregard this step if both parties are extensions.
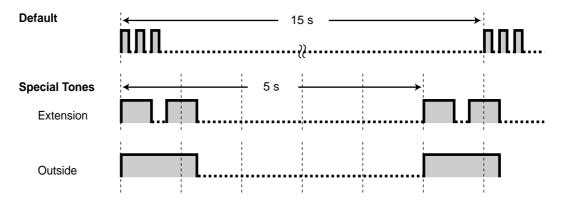
- **Depending on the other party's telephone,** the "Off-Hook Call Announcement (OHCA)" and the "Whisper OHCA" functions can be applied. You can talk to the other party through the speaker and the microphone (OHCA) or you only receive a call announcement through the handset (Whisper OHCA), while they are having another conversation using the handset.

- The calling extension's name or number is displayed for 5 seconds in 10 second intervals before answering a call.

- This feature is not available for an ISDN telephone user.
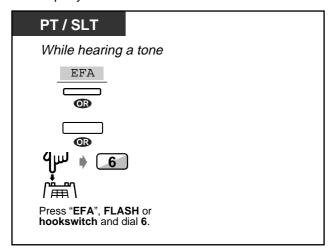
☞ 4.1 Customising Your Phone (Station Programming)
  • 4.1.1 Initial Settings— **Call Waiting Tone Type Selection**
    Determine the tone depending on the second party, either an outside call or an extension.

◆◆*Answering a call waiting from the central office*

This is an optional telephone company service. For more information, consult your telephone company.
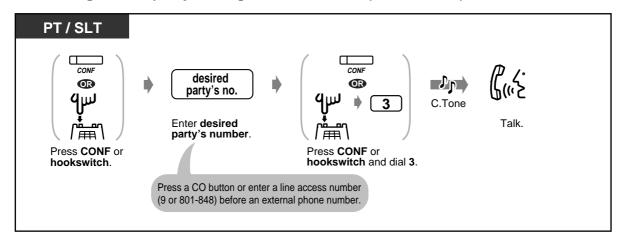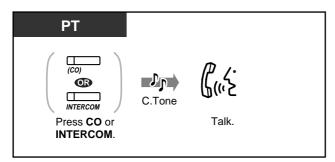
📝 • **To return to the original party,**repeat the operation.

2.4.5 Three-party Conversation

— Adding a third party during a conversation
— Leaving a conference
— Letting a third party join your call

◆◆ *Adding a third party during a conversation (Conference)*

PT / SLT

Press **CONF** or **hookswitch**.

Enter **desired party's number**.

Press a CO button or enter a line access number (9 or 801-848) before an external phone number.

Press **CONF** or **hookswitch** and dial **3**.

C.Tone

Talk.

◆ *To talk to one party by terminating the other*

PT

Press **CO** or **INTERCOM**.

C.Tone

Talk.
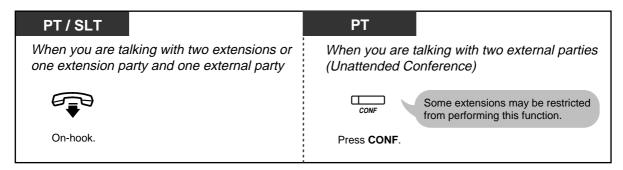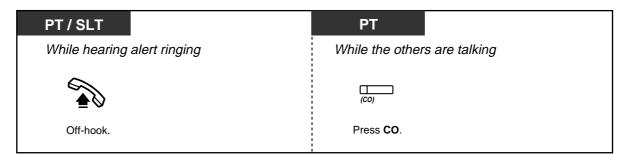
◆◆ *Leaving a conference*

The other two parties can continue their conversation.

PT / SLT

When you are talking with two extensions or one extension party and one external party

On-hook.

PT

When you are talking with two external parties (Unattended Conference)

Press **CONF**.

Some extensions may be restricted from performing this function.

Operation

◆ *To return*

PT / SLT	PT
While hearing alert ringing	*While the others are talking*
	(CO)
Off-hook.	Press **CO**.

• **Time limit**
Both parties will hear an alert tone 15 seconds before the time limit (Default: 10 min.) runs out. The original extension will hear an alert tone 50 seconds before the time runs out. The call is disconnected when the time runs out unless the original extension returns to the conference.

• This feature is not available for an ISDN telephone user.
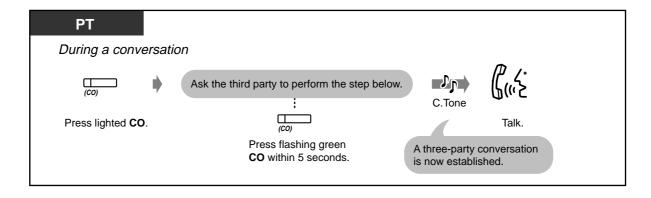
4.1 Customising Your Phone (Station Programming)
• 4.1.2 Customising the Buttons
Create or re-arrange a Conference button.
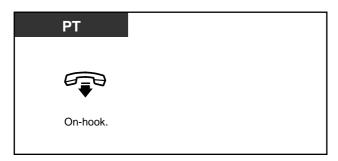
◆◆ *Letting a third party join your call (Privacy Release)*

You can let a third party join your current outside call.

PT
During a conversation

(CO)

Ask the third party to perform the step below.

C.Tone

Press lighted **CO**.

(CO)

Talk.

Press flashing green **CO** within 5 seconds.

A three-party conversation is now established.

◆ *To leave*

PT
On-hook.

◆ *To talk to one party by terminating the other*

PT
☐▭ *(CO)*
OR
☐▭ *INTERCOM*
Press **CO** or **INTERCOM**.
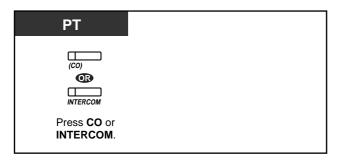
• This feature overrides "Data Line Security" ☞ 2.7.11   Protecting Your Line against Indication Tones (Data Line Security) and "Executive Busy Override Deny" ☞ 2.7.9   Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny) .

2.4.6 *Mute*

You can disable the microphone or the handset to consult privately others in the room while listening to the other party on the phone through the telephone speaker or the handset. There are two types of mute as follows:

Handset Mute:
During a conversation using the handset.
This function is available for the KX-T7400 series telephone users only.
Microphone Mute:
During a conversation using the microphone.
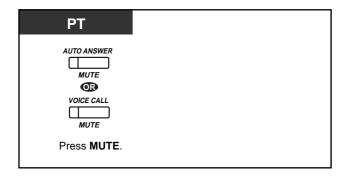
◆ **To set / cancel**

PT
AUTO ANSWER
▭
MUTE
OR
VOICE CALL
▭
MUTE
Press **MUTE**.

- The AUTO ANSWER/MUTE or VOICE CALL/MUTE button light shows the current status as follows:
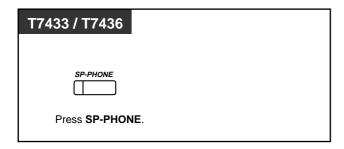
  Flashing red: Mute
  Off: Normal

2.4.7   Letting Other People Listen to the Conversation (Off-Hook Monitor) [KX-T7433, KX-T7436 only]

You can let other people in the room listen to the conversation through the telephone speaker while continuing the conversation using the handset.

◆ *To set / cancel*

T7433 / T7436

SP-PHONE

Press **SP-PHONE**.

- This feature is only available during a conversation using the handset.
- The SP-PHONE button light shows the current status as follows:
  On: The voice is heard through the telephone speaker.
  Off: The voice is heard only through the handset.
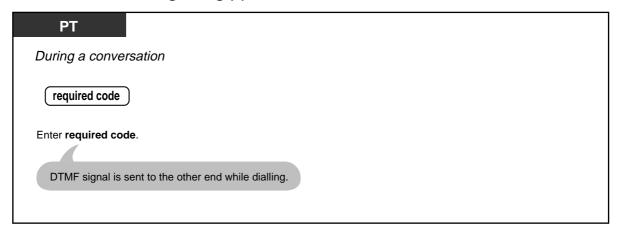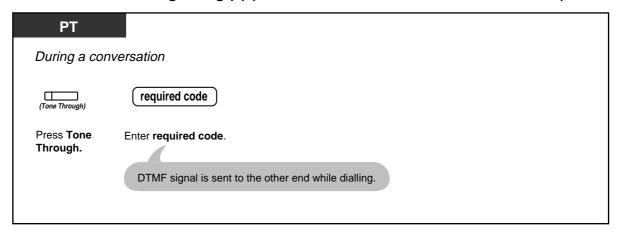
2.4.8 End-to-End DTMF Signalling (Tone Through)

DTMF signalling is required for access to special network services offered by some telephone companies. This system allows you to signal the other end using DTMF tones during an established call.

◆ *End-to-End DTMF Signalling (1)*

PT
During a conversation
[required code]
Enter **required code**.
DTMF signal is sent to the other end while dialling.
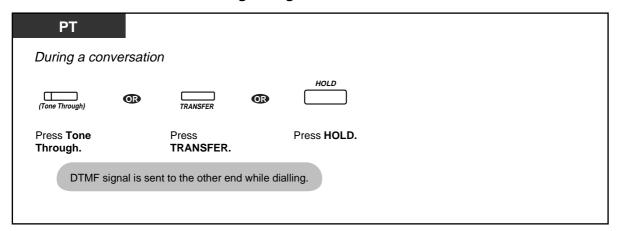
◆ *End-to-End DTMF Signalling (2) (When "Automatic Hold-All Calls" is enabled)*

PT
During a conversation
▭ *(Tone Through)*   [required code]
Press **Tone Through.**   Enter **required code**.
DTMF signal is sent to the other end while dialling.

◆ *To cancel End-to-End DTMF Signalling mode*

PT

During a conversation

                                                    HOLD

☐▬▬   **OR**   ☐▬   **OR**   ☐
(Tone Through)   TRANSFER

Press **Tone**   Press   Press **HOLD.**
Through.   **TRANSFER.**

> DTMF signal is sent to the other end while dialling.

- If the dial type of the line is assigned to DTMF, Tone Through mode is established automatically after the dialing sequence is finished and the call is established.
- Tone Through button is effective during a call between two extensions or extension to outside.

4.1 Customising Your Phone (Station Programming)
- 4.1.2 Customising the Buttons
  Create or re-arrange a Tone Through button.

2.5   Before Leaving Your Desk

2.5.1   Forwarding Your Calls (Call Forwarding)

You can have your incoming calls forwarded to a specific destination.
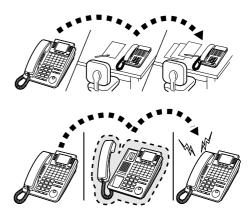
ALL Calls: All calls are forwarded to another extension.

Busy: All calls are forwarded to another extension when your extension is busy.

No Answer: All calls are forwarded to another extension when you do not answer the call.

Busy/No Answer(BSY N/A): All calls are forwarded to another extension when you do not answer or when your extension is busy.

To Outside Line(CO Line): All calls are forwarded to an external party. The call duration is limited. Some extensions may be restricted.
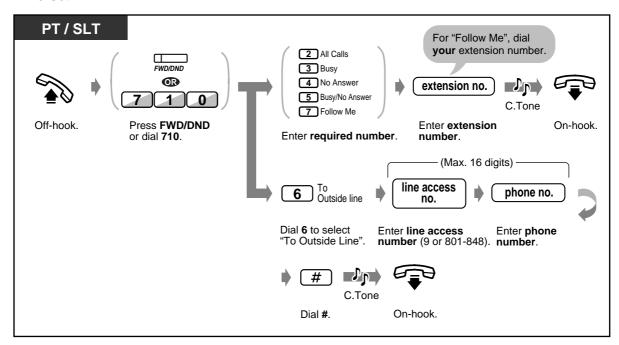
Follow Me(From): If you forget to set "All Calls" to be forwarded before leaving your desk, you can set the same function from the destination extension.
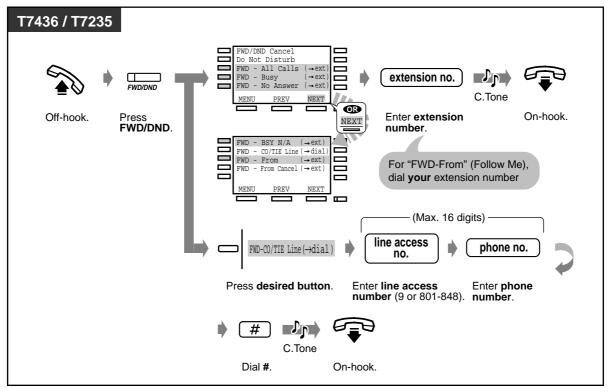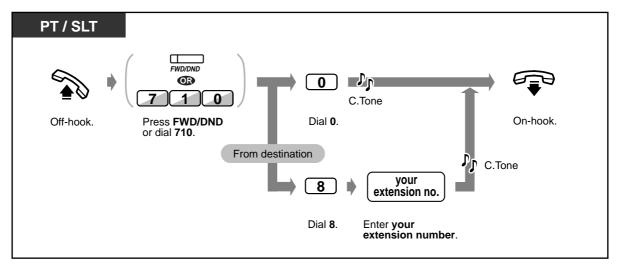
‼️
- You can set your mailbox or mobile telephone as the forwarding destination.

◆ *To set*

PT / SLT

For "Follow Me", dial **your** extension number.

Off-hook.

Press **FWD/DND** or dial **710**.

```
FWD/DND
  OR
7  1  0
```

```
2  All Calls
3  Busy
4  No Answer
5  Busy/No Answer
7  Follow Me
```

Enter **required number**.

extension no.

C.Tone

Enter **extension number**.

On-hook.

—— (Max. 16 digits) ——

```
6  To
   Outside line
```

line access no.

phone no.

Dial **6** to select "To Outside Line".

Enter **line access number** (9 or 801-848).

Enter **phone number**.

`#`

C.Tone

Dial **#**.

On-hook.

T7436 / T7235

Off-hook.

Press **FWD/DND**.

```
FWD/DND Cancel
Do Not Disturb
FWD - All Calls  (→ext)
FWD - Busy       (→ext)
FWD - No Answer  (→ext)

MENU    PREV    NEXT
```

OR
NEXT

```
FWD - BSY N/A    (→ext)
FWD - CO/TIE Line(→dial)
FWD - From       (→ext)
FWD - From Cancel(→ext)

MENU    PREV    NEXT
```

extension no.

C.Tone

Enter **extension number**.

On-hook.

For "FWD-From" (Follow Me), dial **your** extension number

—— (Max. 16 digits) ——

`FWD-CO/TIE Line(→dial)`

line access no.

phone no.

Press **desired button**.

Enter **line access number** (9 or 801-848).

Enter **phone number**.

`#`

C.Tone

Dial **#**.

On-hook.

◆ *To cancel*

PT / SLT

Off-hook.　　Press **FWD/DND**　　Dial **0**.　　C.Tone　　On-hook.
　　　　　　or dial **710**.

From destination

Dial **8**.　　Enter **your extension number**.

C.Tone

T7436 / T7235

Off-hook.　　Press **FWD/DND**.　　Press **FWD/DND** Cancel.　　C.Tone　　On-hook.

FWD/DND Cancel

From destination

FWD-From Cancel (→ext)

Press **FWD-From Cancel**.　　Enter **your extension number**.

C.Tone

• A call can only be forwarded to one target telephone. For example, extension A's call is forwarded to extension B. Extension B's call is forwarded to extension C. A call to extension A is forwarded to extension B, but the call would not be forwarded directly to extension C from A.

• The extension which is set as the destination can call the original extension.

• While setting, you can temporarily cancel this feature by pressing the FWD/DND button. Pressing the FWD/DND button alternates between setting or cancelling the mode.

• You can set the "Do Not Disturb (DND)" and "Call Forwarding (FWD)" features at the same time. However, only one feature will work at a time. Pressing the FWD/DND button while on-hook changes the feature as follows:
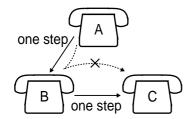
DND → FWD → OFF

• The FWD/DND button light shows the current status as follows:
  Off: Both features are not set.
  Red on: DND mode
  Flashing red: FWD mode

• This feature is not available for an ISDN telephone user.

4.1 Customising Your Phone (Station Programming)
• 4.1.2 Customising the Buttons
Create or re-arrange an FWD/DND button.

2.5.2 Forwarding Your Calls by ISDN (Call Forwarding by ISDN Provider)

You can have your incoming calls forwarded to another number via ISDN network.
This is the Call Forwarding feature provided by the ISDN network.
This feature can be categorized as follows:

Call Forwarding Unconditional (CFU)
Allows you to have all your incoming calls forwarded to another number via ISDN network regardless of the status of your extension.
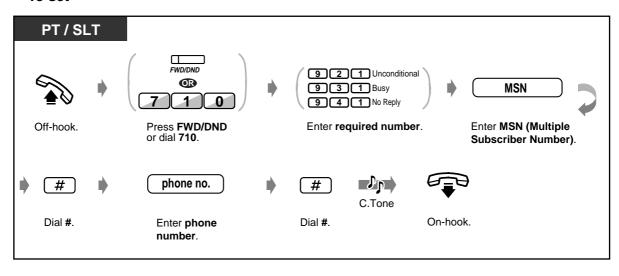
Call Forwarding Busy (CFB)
Allows you to have your incoming calls forwarded to another number via ISDN network when your extension is busy.
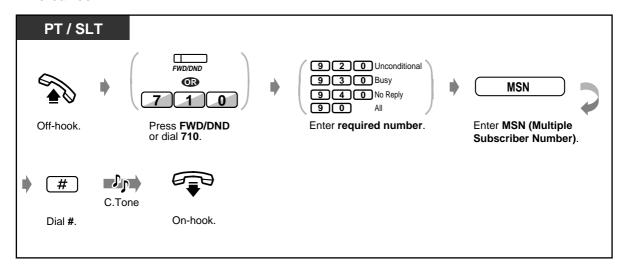
Call Forwarding No Reply (CFNR)
Used to route your incoming calls to another number via ISDN network if your extension isn't answered after a pre-determined number of rings.

◆ *To set*

◆ *To cancel*

PT / SLT

Off-hook.

Press **FWD/DND** or dial **710**.

9 2 0 Unconditional
9 3 0 Busy
9 4 0 No Reply
9 0 All

Enter **required number**.

MSN

Enter **MSN (Multiple Subscriber Number)**.

#

Dial **#**.

C.Tone

On-hook.

• This feature can be used together with the regular Call Forwarding / Do Not Disturb feature provided by the KX-TD500 System.

2.5.3   *Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability)*
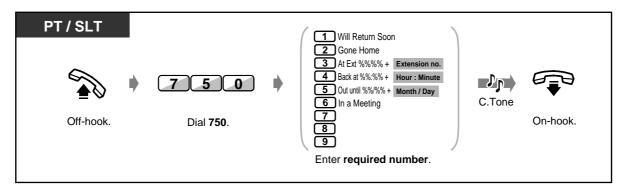
You can show the reason for your absence, if the calling extension uses a Panasonic proprietary telephone with a display. This way the caller will know when you will be available. You can choose one of nine messages.

Message no.	Default Message
1	Will Return Soon
2	Gone Home
3	At Ext %%% (Extension number)
4	Back at %%:%% (Hour:Minute)
5	Out until %%/%% (Month/Day)
6	In a Meeting
7	
8	
9	
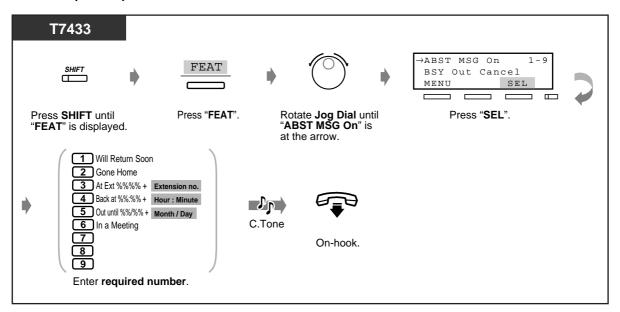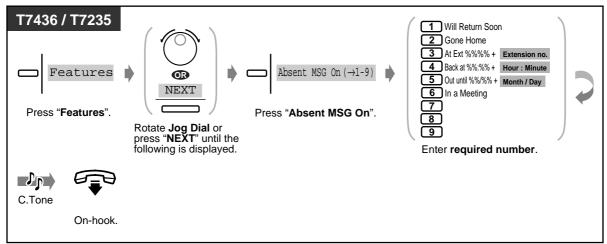
- Enter the desired value in the "%" space.
  You must make your message in all of the "%"s using 0 to 9, #, or ✳.
- The message can be changed. Consult your System Manager or dealer.

◆ *To Set*

PT / SLT			
Off-hook.	Dial **750**.	Enter **required number**.	C.Tone → On-hook.

1 Will Return Soon
2 Gone Home
3 At Ext %%%% + **Extension no.**
4 Back at %%:%% + **Hour : Minute**
5 Out until %%/%% + **Month / Day**
6 In a Meeting
7
8
9

◆ *To Set (contd.)*

T7433

SHIFT

Press **SHIFT** until
"**FEAT**" is displayed.

→

FEAT

Press "**FEAT**".

→

Rotate **Jog Dial** until
"**ABST MSG On**" is
at the arrow.

→

```
→ABST MSG On    1-9
 BSY Out Cancel
 MENU        SEL
```

Press "**SEL**".

→

1 Will Return Soon
2 Gone Home
3 At Ext %%%% + **Extension no.**
4 Back at %%:%% + **Hour : Minute**
5 Out until %%/%% + **Month / Day**
6 In a Meeting
7
8
9

Enter **required number**.

C.Tone → On-hook.

T7436 / T7235

Features

Press "**Features**".

→

OR
NEXT

Rotate **Jog Dial** or
press "**NEXT**" until the
following is displayed.

→

Absent MSG On (→1-9)

Press "**Absent MSG On**".

→

1 Will Return Soon
2 Gone Home
3 At Ext %%%% + **Extension no.**
4 Back at %%:%% + **Hour : Minute**
5 Out until %%/%% + **Month / Day**
6 In a Meeting
7
8
9

Enter **required number**.

C.Tone → On-hook.

◆ *To cancel*

PT / SLT

Off-hook.

→ 7 5 0 0

Dial **7500**.

→ C.Tone

→ On-hook.

Operation

◆ *To cancel (contd.)*

T7433

SHIFT ➡ FEAT ➡ (Jog Dial) ➡
```
→ABST MSG Off
 ABST MSG On  1-9
 MENU         SEL
```
C.Tone ➡ (On-hook)

Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**". Rotate **Jog Dial** until "**ABST MSG Off**" is at the arrow. Press "**SEL**". On-hook.

T7436 / T7235

Features ➡ (Jog Dial) **OR** NEXT ➡ Absent MSG Off ➡ C.Tone ➡ (On-hook)

Press "**Features**". Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. Press "**Absent MSG Off**". On-hook.

!!
- **To confirm the message,** go off-hook.
  It will be displayed.
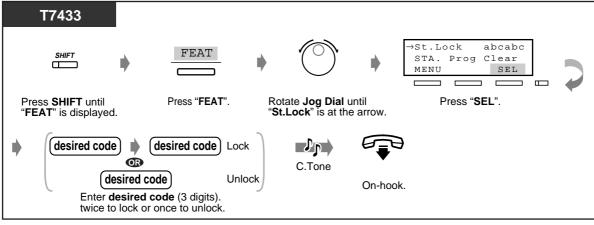
2.5.4 Preventing Other People from Using Your Telephone (Electronic Station Lockout)

You can lock your extension so that other users cannot make outgoing outside calls from your extension.

◆ *To lock / unlock*

PT / SLT

Off-hook. → Dial **762**. → Enter **desired code** (3 digits). twice to lock or once to unlock.

desired code → desired code Lock
OR
desired code Unlock

→ C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**St.Lock**" is at the arrow. →

```
→St.Lock   abcabc
 STA. Prog Clear
 MENU          SEL
```

Press "**SEL**".

→ Enter **desired code** (3 digits). twice to lock or once to unlock.

desired code → desired code Lock
OR
desired code Unlock

→ C.Tone → On-hook.

◆ *To lock / unlock (contd.)*

T7436 / T7235

⬜| Features   ➡   ⬔ OR PREV ⬜   ➡   ⬜| Station Lock (→abcabc)

Press "**Features**".

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Station Lock**".

➡   (desired code) ➡ (desired code) Lock
OR
(desired code)   Unlock

Enter **desired code** (3 digits). twice to lock or once to unlock.

🎵➡   C.Tone

📞⬇ On-hook.

- **If you forget the code or cannot unlock your phone,** consult an operator or the manager. They can unlock your extension **(Remote Station Lock Control).**
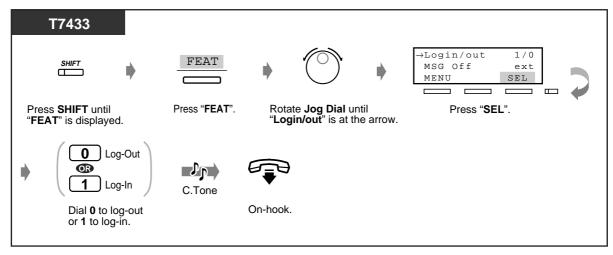
2.5.5 Leaving an Extension Group (Log-In / Log-Out)
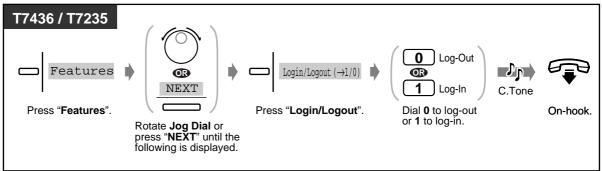
You can set your status in an extension group. Set Log-Out when you leave the office so that incoming calls will temporarily skip your extension in the receiving order. When you return, set Log-In so that calls will reach your extension. (Default: Log-In)

PT / SLT

Off-hook. → Dial **45**. → Dial **0** to log-out or **1** to log-in. | **0** Log-Out **OR** **1** Log-In → C.Tone → On-hook.

PT

Off-hook. → Press **Log-In**/**Log-Out**. *(Log-In/Log-Out)* → C.Tone → On-hook.

Operation

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until "**Login/out**" is at the arrow.

```
→Login/out   1/0
 MSG Off      ext
 MENU         SEL
```

Press "**SEL**".

0 Log-Out
OR
1 Log-In

Dial **0** to log-out or **1** to log-in.

C.Tone

On-hook.

T7436 / T7235

Features

Press "**Features**".

OR
NEXT

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Login/Logout (→1/0)

Press "**Login/Logout**".

0 Log-Out
OR
1 Log-In

Dial **0** to log-out or **1** to log-in.

C.Tone

On-hook.

- The Log-In / Log-Out button light shows the current status as follows:
  Off: Log-In mode
  Red on: Log-Out mode
  Flashing red: a call waiting
- There should be at least one extension in the extension group that is in the Log-In mode.
- This feature is not available for an ISDN telephone user.

4.1   Customising Your Phone (Station Programming)
    4.1.2   Customising the Buttons
    Create or re-arrange a Log-In / Log-Out button.

2.6 Making / Answering an Announcement
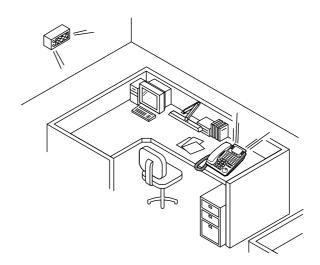
2.6.1 Paging

You can make a voice announcement to several people at the same time. Your message is sent over the proprietary telephone speakers and/or external speakers. The paged person can answer your paging from any telephone (including SLTs). There are three types as shown below:
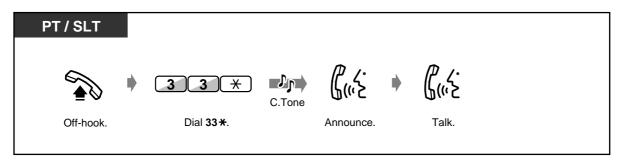
> **All:** Paging through both the telephone speakers and external speakers.
> **External:** Paging through the external speakers.
> **Group:** Paging to a particular paging group or all paging groups through the telephone speakers.
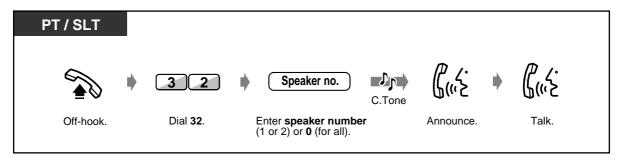
◆ *All*

PT / SLT

Off-hook. → Dial **33✳**. → C.Tone → Announce. → Talk.

◆ *External*

PT / SLT

Off-hook. → Dial **32**. → Enter **speaker number** (1 or 2) or **0** (for all). → C.Tone → Announce. → Talk.

◆ *External (contd.)*

T7433

SHIFT

Press **SHIFT** until
"**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial**
until "**Page Extrn**"
is at the arrow.

```
→Page Extrn  0-2
 Page GRP   01-16
MENU          SEL
```

Press "**SEL**".

Speaker no.

Enter **speaker number**
(1 or 2) or **0** (for all).

C.Tone

Announce.

Talk.

T7436 / T7235

Features

Press "**Features**".

OR
PREV

Rotate **Jog Dial** or
press "**PREV**" until the
following is displayed.

Paging External (→0-2)

Press "**Paging External**".

Speaker no.

Enter **speaker number**
(1 or 2) or **0** (for all).

C.Tone

Announce.

Talk.

◆ *Group*

PT / SLT

Off-hook.

3 **3**

Dial **33**.

group no.

Enter **group number**
(01-16) or **0** (for all).

C.Tone

Announce.

Talk.

◆ *Group (contd.)*

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until "**Page GRP**" is at the arrow.

```
→Page GRP   01-16
 Parallel    1/0
 MENU         SEL
```

Press "**SEL**".

group no.

Enter **group number** (01-16) or **0** (for all).

C.Tone

Announce.

Talk.

T7436 / T7235

Features

Press "**Features**".

OR
PREV

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Paging Group (→#,01-16)

Press "**Paging Group**".

group no.

Enter **group number** (01-16) or **0** (for all).

C.Tone

Announce.

Talk.

- A ringing, busy, Do Not Disturb extension, or a single line telephone cannot receive a paged announcement.
- The proprietary telephone user can deny a paged announcement. For more details, refer to "To set / cancel" in 2.7.4   Denying the Paged Announcement (Paging — DENY).
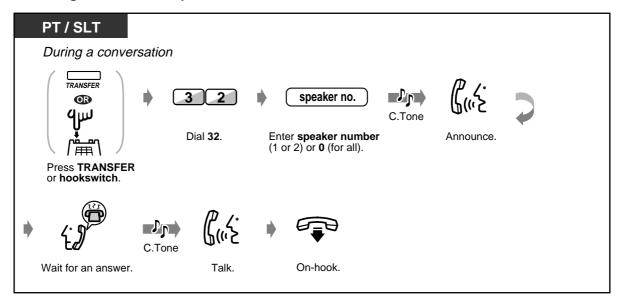
2.6.2   Paging a Person and Transferring a Call

You can transfer a call after making a paging announcement.
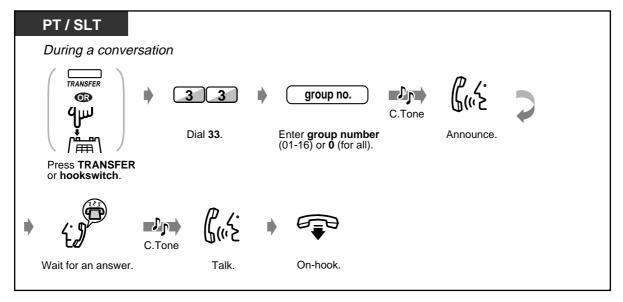
◆ *Through an external speaker and telephone speakers*

PT / SLT

During a conversation

Press **TRANSFER**
or **hookswitch**.

Dial **33✱**.

C.Tone

Announce.

Wait for an answer.

C.Tone

Talk.

On-hook.

◆ *Through an external speaker*

PT / SLT

During a conversation

Press **TRANSFER**
or **hookswitch**.

Dial **32**.

Enter **speaker number**
(1 or 2) or **0** (for all).

C.Tone

Announce.

Wait for an answer.

C.Tone

Talk.

On-hook.

◆ *Through the telephone speakers of a particular paging group*

PT / SLT

During a conversation

Press **TRANSFER**
or **hookswitch**.

3 **3**

Dial **33**.

group no.

Enter **group number**
(01-16) or **0** (for all).

C.Tone

Announce.

Wait for an answer.

C.Tone

Talk.

On-hook.
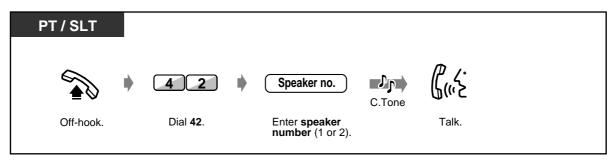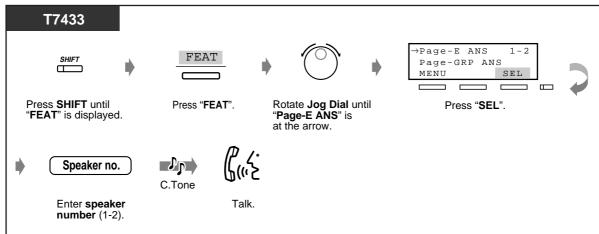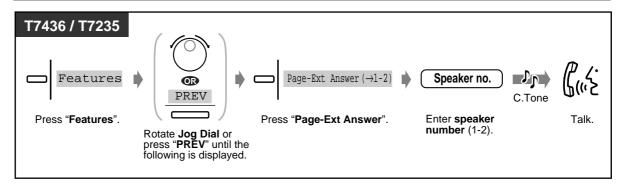
2.6.3 Answering a Paged Announcement

You can answer an announced page at any extension within the system.

◆ *Through an external speaker*

PT / SLT

Off-hook. ➡ Dial **42**. **4 2** ➡ Enter **speaker number** (1 or 2). Speaker no. ➡ C.Tone ➡ Talk.

T7433

SHIFT
Press **SHIFT** until "**FEAT**" is displayed. ➡ FEAT
Press "**FEAT**". ➡ Rotate **Jog Dial** until "**Page-E ANS**" is at the arrow. ➡ →Page-E ANS 1-2 / Page-GRP ANS / MENU SEL
Press "**SEL**".

➡ Speaker no.
Enter **speaker number** (1-2). ➡ C.Tone ➡ Talk.

T7436 / T7235

Features
Press "**Features**". ➡ OR PREV
Rotate **Jog Dial** or press "**PREV**" until the following is displayed. ➡ Page-Ext Answer (→1-2)
Press "**Page-Ext Answer**". ➡ Speaker no.
Enter **speaker number** (1-2). ➡ C.Tone ➡ Talk.

- This feature is not available for an ISDN telephone user.

◆ *Through the telephone speakers*

PT / SLT

Off-hook.   Dial **43**.   C.Tone   Talk.

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until "**Page-GRP ANS**" is at the arrow.

```
→Page-GRP ANS
 Page Extrn   0-2
MENU          SEL
```

Press "**SEL**".   C.Tone   Talk.

T7436 / T7235

Features

Press "**Features**".

OR

PREV

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Page-GRP Answer

Press "**Page-GRP Answer**".   C.Tone   Talk.
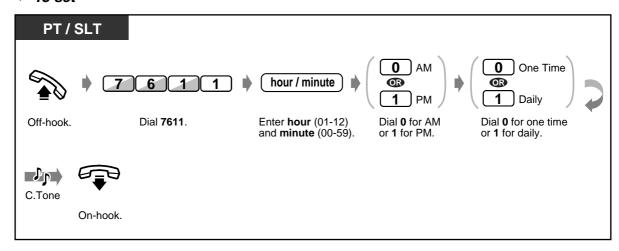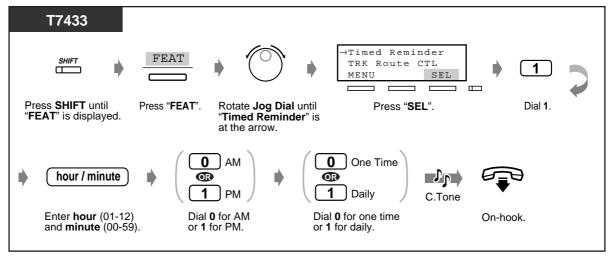
2.7 Setting the Telephone According to Your Needs

2.7.1 Setting the Alarm (Timed Reminder)
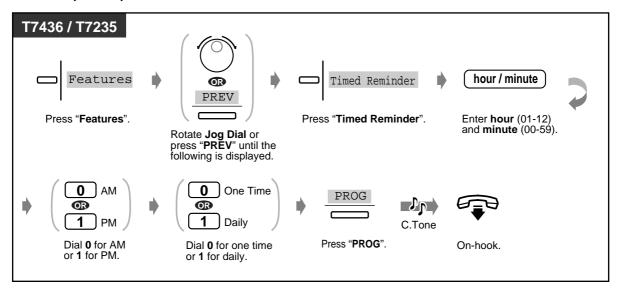
You can receive a ringback alarm at your telephone to remind you of a meeting, appointment or as a wake-up call. The setting can be for either one time or daily (every day until cancelled) at a pre-set time.

◆ *To set*

◆ *To set (contd.)*

T7436 / T7235

Press "**Features**".

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Timed Reminder**".

Enter **hour** (01-12) and **minute** (00-59).

Dial **0** for AM or **1** for PM.

Dial **0** for one time or **1** for daily.

Press "**PROG**".

C.Tone

On-hook.

◆ *To cancel*

PT / SLT

Off-hook.

Dial **7610**.

C.Tone

On-hook.

T7433


```
→Timed Reminder
 TRK Route CTL
 MENU          SEL
```

Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**".

Rotate **Jog Dial** until "**Timed Reminder**" is at the arrow.

Press "**SEL**".

Dial **0**.

C.Tone

On-hook.

◆ *To cancel (contd.)*

T7436 / T7235

▢| Features ➤ **OR** PREV ➤ ▢| Timed Reminder ➤ CLR ▢ ➤ 🎵➤ C.Tone ➤ ☎

Press "**Features**".   Rotate **Jog Dial** or press "**PREV**" until the following is displayed.   Press "**Timed Reminder**".   Press "**CLR**".   On-hook.

◆ *To view the setting*

D – PT

☎ ➤ 7 6 1 2 ➤ ☎

Off-hook.   Dial **7612**.   On-hook.

◆ *To stop or answer the ringback*

PT / SLT

any key
OR
☎ ➤ ☎

Press **any key** or off-hook and on-hook.
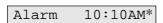
- **If you receive an incoming call during ringback,** ringing starts after the ringback stops.
- **If you are having a conversation during the pre-set time,** the ringback will start after your conversation.
- This feature is not available for an ISDN telephone user.
- If you go off-hook to answer, you can hear the alarm tone or the recorded message which an operator or the manager pre-assigned.
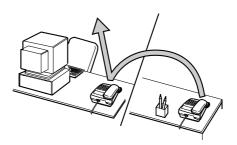
‼ When the dairy alarm is set, the display shows "*" in the corner.

Alarm   10:10AM*
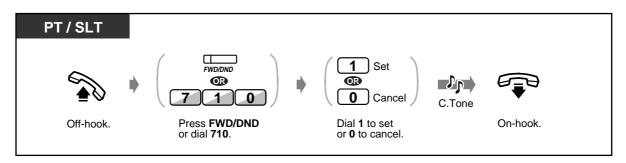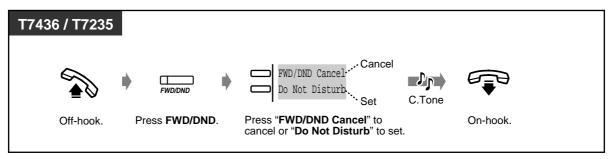
2.7.2 Refusing Incoming Calls (Do Not Disturb [DND])

You may set this feature during a meeting or when you are busy.

◆ *To set / cancel*

PT / SLT

Off-hook.   Press **FWD/DND** or dial **710**.   Dial **1** to set or **0** to cancel.   C.Tone   On-hook.

T7436 / T7235

Off-hook.   Press **FWD/DND**.   Press "**FWD/DND Cancel**" to cancel or "**Do Not Disturb**" to set.   C.Tone   On-hook.

- A flashing CO button tells you an outside call is received. You can answer the call by pressing the flashing CO button.
- While setting, you can temporarily cancel this feature by pressing the FWD/DND button. Pressing the FWD/DND button alternates between setting or cancelling the mode.
- You can set the "Do Not Disturb" and "Call Forwarding" features at the same time. However, only one feature will work at a time. You can change the feature by pressing the FWD/DND button while on-hook. Pressing the FWD/DND button changes the feature as follows:

DND → FWD → OFF

- Specified extensions can override this setting and call DND extensions **(Do Not Disturb Override)**.
- The FWD/DND button light shows the current status as follows:
  Off: Both features are not set.
  Red on: DND mode
  Flashing red: FWD mode
- This feature also works for paging-group and an incoming call from a doorphone.
- This feature is not available for an ISDN telephone user.

4.1   Customising Your Phone (Station Programming)
- 4.1.2   Customising the Buttons
  Create or re-arrange an FWD/DND button.

2.7.3   Receiving a Call Waiting (Call Waiting / Off-Hook Call Announcement [OHCA] / Whisper OHCA)

During a conversation, you can be informed a call waiting with a tone or voice announcement through your speaker or handset. (Default: No tone)

Call waiting tone:
a waiting tone through the handset.
You can change the tone, refer to 4.1   Customising Your Phone (Station Programming).
OHCA:
a voice announcement through the telephone speaker without pre-information.
(KX-T7436 and KX-T7235 telephone users only)
Whisper OHCA:
a voice announcement through the handset without pre-information.
(KX-T7400 series telephone users only)
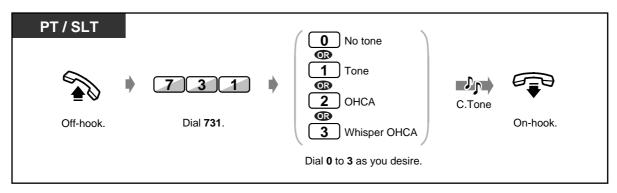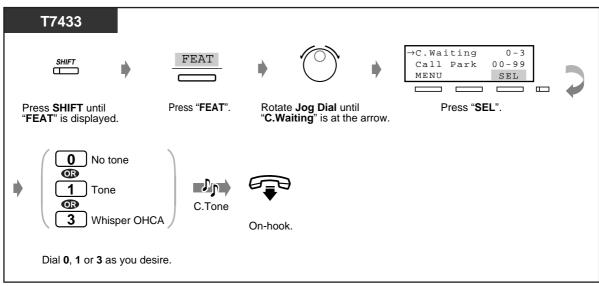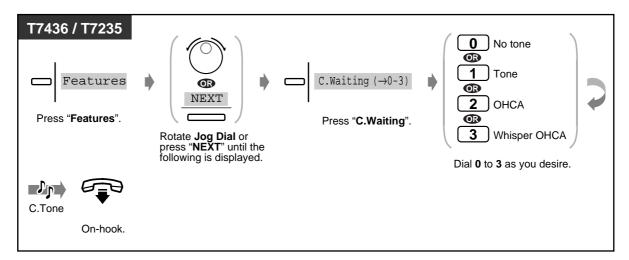
◆ *To set / cancel*

PT / SLT

Off-hook. → Dial **731**. →
0	No tone
OR	
1	Tone
OR	
2	OHCA
OR	
3	Whisper OHCA

Dial **0** to **3** as you desire.
→ C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**C.Waiting**" is at the arrow. →

```
→C.Waiting   0-3
 Call Park  00-99
 MENU         SEL
```

Press "**SEL**".

0	No tone
OR	
1	Tone
OR	
3	Whisper OHCA

Dial **0**, **1** or **3** as you desire.
→ C.Tone → On-hook.

◆ *To set / cancel (contd.)*

T7436 / T7235

▭ | Features ⟶ (↻ OR NEXT ▭) ⟶ ▭ | C.Waiting (→0-3) ⟶ (**0** No tone OR **1** Tone OR **2** OHCA OR **3** Whisper OHCA)

Press "**Features**".

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**C.Waiting**".

Dial **0** to **3** as you desire.

🎵➡ C.Tone

📞⬇ On-hook.

• This feature is not available for an ISDN telephone user.

2.7.4 Denying the Paged Announcement (Paging — DENY)

You can refuse any paged announcement sent through your telephone speaker.

◆ *To set / cancel*

PT

Off-hook.　　Dial **721**.　　Dial **1** to set or **0** to cancel.　　C.Tone　　On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed.　　Press "**FEAT**".　　Rotate **Jog Dial** until "**Page Deny**" is at the arrow.　　Press "**SEL**".

```
→Page Deny   1/0
 Page-E ANS   1-2
 MENU         SEL
```

Dial **1** to set or **0** to cancel.　　C.Tone　　On-hook.

T7436 / T7235

Press "**Features**".　　Rotate **Jog Dial** or press "**PREV**" until the following is displayed.　　Press "**Page Deny**".　　Dial **1** to set or **0** to cancel.　　C.Tone　　On-hook.

`Page Deny On/off (→1/0)`

2.7.5 Displaying Your Number on the Called Party and Calling Party's Telephone (Calling / Connected Line Identification Presentation [CLIP / COLP])

This is one of the ISDN supplementary services.
CLIP: When making a call, you can let the other party see your pre-assigned identification number.
COLP: When receiving a call, you can let the party calling you see your pre-assigned identification number.
You can select to show an identification number assigned for an outside line or your extension.

◆ *To show an identification number assigned for an outside line or your extension*

PT / SLT

Off-hook. → Dial **711**. → Dial **1** for outside line or **2** for extension. → C.Tone → On-hook.

1 Outside line
OR
2 Extension
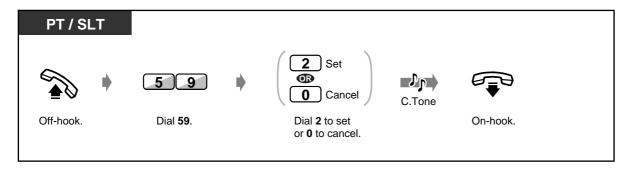
2.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR])
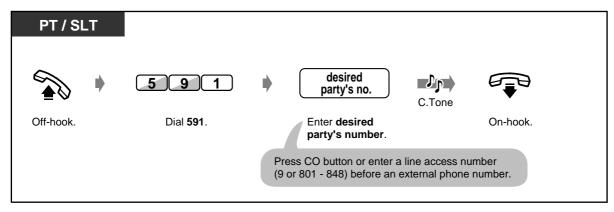
This is one of the ISDN supplementary services.
When making a call, you can prevent the other party from seeing your identification number. You can change the setting at any time for a particular call.

◆ **To set / cancel**

PT / SLT

Off-hook. → Dial **59**. → Dial **2** to set or **0** to cancel. C.Tone → On-hook.

Set
OR
Cancel

◆ **To change the setting at any time for a particular call**

PT / SLT

Off-hook. → Dial **591**. → Enter **desired party's number**. C.Tone → On-hook.

desired party's no.

Press CO button or enter a line access number (9 or 801 - 848) before an external phone number.
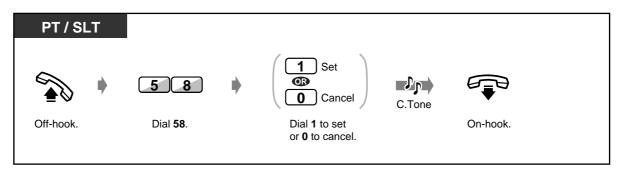
2.7.7 Preventing Your Number Being Displayed on the Called Party's Telephone (Connected Line Identification Restriction [COLR])

This is one of the ISDN supplementary services.
When receiving a call, you can prevent the caller you from seeing your identification number.
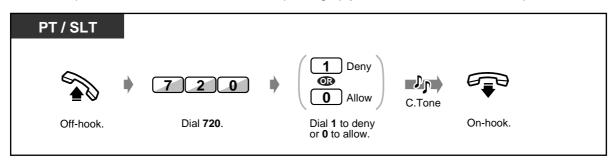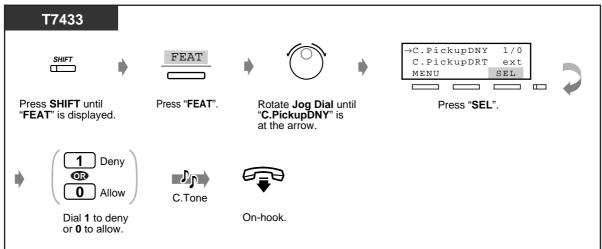
◆ *To set / cancel*
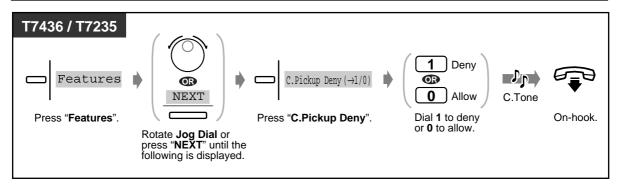
2.7.8 *Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny)*

You can prevent other extension users from pickling up your calls with the "Call Pickup" feature.

PT / SLT

Off-hook. → Dial **720**. → Dial **1** to deny or **0** to allow. **1** Deny OR **0** Allow C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**C.PickupDNY**" is at the arrow. → Press "**SEL**".

```
→C.PickupDNY  1/0
 C.PickupDRT  ext
MENU         SEL
```

Dial **1** to deny or **0** to allow. **1** Deny OR **0** Allow C.Tone → On-hook.

T7436 / T7235

Press "**Features**". → Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. → Press "**C.Pickup Deny**". → Dial **1** to deny or **0** to allow. **1** Deny OR **0** Allow C.Tone → On-hook.

Features | C.Pickup Deny (→1/0)

2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny)

You can deny other extension users the possibility of intruding your established call.

PT / SLT

Off-hook.	**7** **3** **3** Dial **733**.	**1** Deny **OR** **0** Allow Dial **1** to deny or **0** to allow.

C.Tone

On-hook.

T7433

SHIFT

Press **SHIFT** until "**FEAT**" is displayed.

FEAT

Press "**FEAT**".

Rotate **Jog Dial** until "**BSY Ovr DNY**" is at the arrow.

```
→BSY Ovr DNY  1/0
 C.Pickup CO
 MENU          SEL
```

Press "**SEL**".

1 Deny
OR
0 Allow

Dial **1** to deny or **0** to allow.

C.Tone

On-hook.

T7436 / T7235

Features

Press "**Features**".

OR
NEXT

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Busy Ovrd Deny (→1/0)

Press "**Busy Ovrd Deny**".

1 Deny
OR
0 Allow

Dial **1** to deny or **0** to allow.

C.Tone

On-hook.

- Only a pre-programmed extension can execute this feature.

2.7.10   *Turning on the Background Music*

You can listen to background music through your telephone speaker while on-hook. To utilize this feature, an external music source, such as a radio, must be connected beforehand.

◆ *To set / cancel*

```
┌─────────────────────────────────────┐
│  ▐▐▐▐ PT ▐▐▐▐                        │
│                                      │
│  While on-hook                       │
│                                      │
│       ▭▭▭ BGM ▭▭▭                    │
│       ▭▭▭▭▭▭▭                        │
│         OR                           │
│       ┌───┐                          │
│       │ 1 │                          │
│       └───┘                          │
│  Press "BGM" or dial 1.              │
│                                      │
└─────────────────────────────────────┘
```
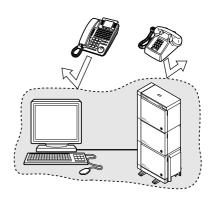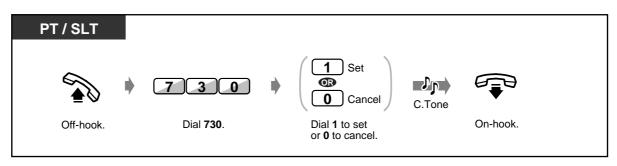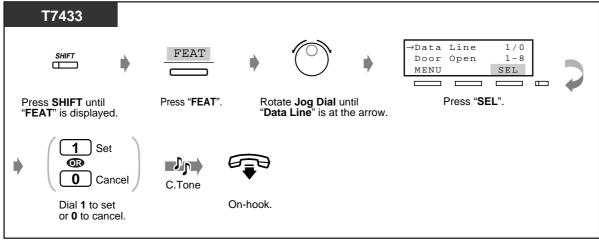
2.7.11 *Protecting Your Line against Indication Tones (Data Line Security)*

You can protect the line against indication tones, such as call waiting tone or interruptions **(Executive Busy Override)**. Set this feature if your extension is connected to a data communication device, such as a computer or facsimile, to secure data transmission.

◆ *To set / cancel*

PT / SLT

Off-hook. → Dial **730**. → Dial **1** to set or **0** to cancel. → C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**Data Line**" is at the arrow. → Press "**SEL**".

```
→Data Line    1/0
 Door Open    1-8
 MENU         SEL
```

Dial **1** to set or **0** to cancel. → C.Tone → On-hook.

◆ *To set (contd.)*

T7436 / T7235

Features ▶ OR NEXT ▶ Data Line On/Off(→1/0) ▶ 1 Set OR 0 Cancel ▶ C.Tone ▶ On-hook.

Press "**Features**".

Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.

Press "**Data Line On/Off**".

Dial **1** to set or **0** to cancel.

On-hook.

Operation

2.7.12 Checking the Day / Night Service Status

You can check the current system operation mode, day time
(business hours) or night (after business hours).

D – PT

While on-hook

$\boxed{\#}$

Dial **#**.
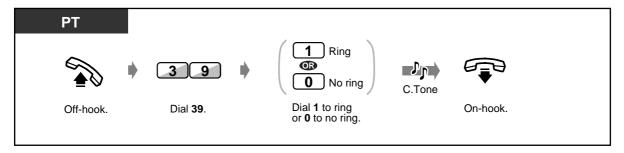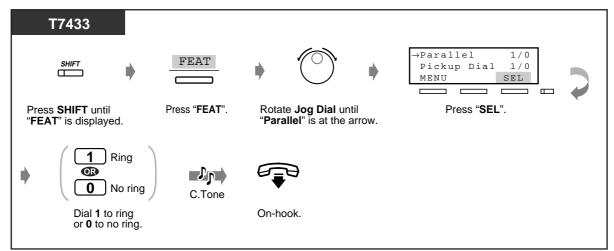
- Any extension user can check the status.
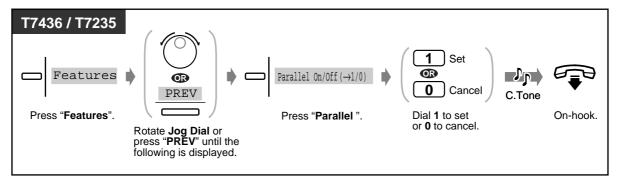
2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection)

A proprietary telephone user can choose whether the single line telephone connected in parallel will ring or not, when an incoming call is received. (Default: No ring)

PT

Off-hook.	Dial **39**.	Dial **1** to ring or **0** to no ring.

1 Ring
OR
0 No ring
C.Tone
On-hook.

T7433

SHIFT → FEAT → (Rotate Jog Dial) →

→Parallel   1/0
 Pickup Dial 1/0
 MENU   SEL

Press **SHIFT** until "**FEAT**" is displayed.
Press "**FEAT**".
Rotate **Jog Dial** until "**Parallel**" is at the arrow.
Press "**SEL**".

1 Ring
OR
0 No ring
C.Tone
On-hook.

Dial **1** to ring or **0** to no ring.

T7436 / T7235

Features → (Jog Dial OR PREV) → Parallel On/Off (→1/0) →

1 Set
OR
0 Cancel
C.Tone
On-hook.

Press "**Features**".
Rotate **Jog Dial** or press "**PREV**" until the following is displayed.
Press "**Parallel** ".
Dial **1** to set or **0** to cancel.

- **Even if "No ring" is selected,** the call can be answered with the single line telephone by lifting the handset.
- If you go off-hook while your parallelled telephone is in use, the call will switch over to your telephone, and vice versa.
- This feature is not available for an ISDN telephone user.
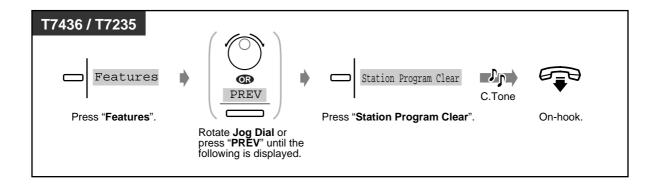
2.7.14 Clearing the Feature Settings at Your Extension (Station programme Clear)

You can clear the following features which have been set on your phone. If you change desks, and notice settings which a previous owner left on the line, you can clear these features.

- Calling to a Pre-set Party by Going Off-Hook **(Pickup Dialling)**: The stored number will be cleared.
- Reserving a Busy Line **(Automatic Callback Busy)**
- Leaving a Message Waiting Indication **(Message Waiting)**: All messages will be removed.
- Forwarding Your Calls **(Call Forwarding)**
- Showing an Absent Message on the Caller's Telephone Display **(Absent Message Capability)**
- Leaving an Extension Group **(Log-In/Log-out)**
- Calling Using the Call Log **(Incoming Call Log)**
- Setting the Alarm **(Timed Reminder)**
- Refusing Incoming Calls **(Do Not Disturb [DND])**
- Receiving a Call Waiting **(Call Waiting / Off-Hook Call Announcement (OHCA) / Whisper OHCA)**
- Denying the Paged Announcement **(Paging — Deny)**
- Denying Other People the Possibility of Picking up Your Calls **(Call Pickup Deny)**
- Denying Other People the Possibility of Joining Your Conversation **(Executive Busy Override Deny)**
- Turning on the Background Music
- Protecting Your Line against Indication Tones **(Data Line Security)**
- Setting the Parallel Connected Telephone Ringer **(Parallelled Telephone)**: The single line telephone will not ring.

PT / SLT

Off-hook. → Dial **790**. C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**STA. Prog Clear**" is at the arrow. →

→STA. Prog Clear
Timed Reminder
MENU   SEL

Press "**SEL**". → C.Tone → On-hook.

T7436 / T7235

Features

Press "**Features**".

OR

PREV

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Station Program Clear

Press "**Station Program Clear**".

C.Tone

On-hook.

2.8 Using User-supplied Equipment
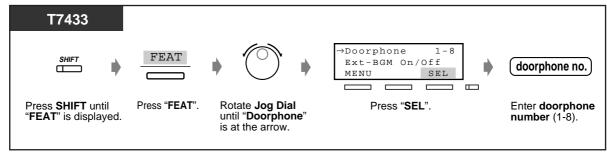
2.8.1 If a Doorphone / Door Opener is Connected

— Doorphone call   — Opening the door

◆❖ *Doorphone call*

◆ *To call from the doorphone*

Doorphone

Press **doorphone** button.

◆ *To call the doorphone*

PT / SLT

Off-hook.   Dial **31**.   Enter **doorphone number** (1-8).

3 **1**   doorphone no.

T7433

SHIFT   FEAT

```
→Doorphone    1-8
 Ext-BGM On/Off
 MENU        SEL
```

doorphone no.

Press **SHIFT** until "**FEAT**" is displayed.

Press "**FEAT**".

Rotate **Jog Dial** until "**Doorphone**" is at the arrow.

Press "**SEL**".

Enter **doorphone number** (1-8).

◆ *To call the doorphone (contd.)*

T7436 / T7235

Features	→	OR / NEXT	→	Doorphone Call (→1-8)	→	doorphone no.
Press "**Features**".		Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.		Press "**Doorphone Call**".		Enter **doorphone number** (1-8).

◆◆ *Opening the door*

You can unlock the dooropener to let the visitor in.
Some extensions may be restricted from performing this function by System Programming.

◆ *From a specified extension*

PT / SLT

Off-hook. → Dial **55**. → Enter **door opener number** (1-8). → C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**Door Open**" is at the arrow. →
```
→Door Open    1-8
 Doorphone    1-8
 MENU         SEL
```
Press "**SEL**".

Enter **door opener number** (1-8). → C.Tone → On-hook.

◆ *From a specified extension (contd.)*

T7436 / T7235

Features

Press "**Features**".

OR
NEXT

Rotate **Jog Dial** or
press "**NEXT**" until the
following is displayed.

Door Open (→1-8)

Press "**Door Open**".

door opener
no.

Enter **door opener
number** (1-8).

C.Tone

On-hook.

◆ *From any extension while talking to the doorphone*

PT	SLT

PT

5

C.Tone

Dial **5**.

On-hook.

SLT

Press
hookswitch.

5

C.Tone

Dial **5**.

On-hook.
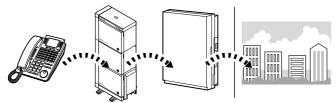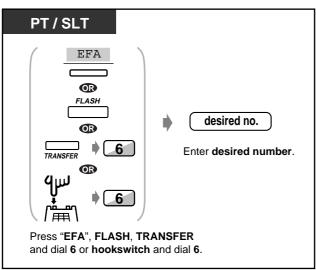
- The door will be left open for five seconds.
- **To keep the door open for another five seconds**, dial 5 again using a Panasonic proprietary telephone.
- **If no one answers the doorphone call within 30 seconds**, the call is cancelled.

2.8.2   If a Host PBX is Connected

◆◆ *Accessing external services (External Feature Access)*

You can access special features (e.g. Call Waiting) offered by a host PBX or Central Office. This feature is only effective with an outside call.

```
┌─────────────────────────────────────────────┐
│  PT / SLT                                     │
│                                               │
│         EFA                                   │
│       ┌─────┐                                 │
│       └─────┘                                 │
│         OR                                    │
│        FLASH                                  │
│       ┌─────┐            ┌──────────────┐     │
│       └─────┘      ▶     │  desired no. │     │
│         OR               └──────────────┘     │
│    ┌────┐   ┌───┐                             │
│    └────┘ ▶ │ 6 │      Enter desired number.  │
│   TRANSFER  └───┘                             │
│         OR                                    │
│      ╲┃╱                                      │
│       ┃     ┌───┐                             │
│      ▼┃   ▶ │ 6 │                             │
│    ┌────┐   └───┘                             │
│    └────┘                                     │
│                                               │
│  Press "EFA", FLASH, TRANSFER                 │
│  and dial 6 or hookswitch and dial 6.         │
└─────────────────────────────────────────────┘
```

2.8.3   If a Voice Processing System is Connected

— Voice mail integration

If your system is connected to a Panasonic Voice Processing System (e.g. KX-TVP100) which can be used with a digital proprietary telephone, the following functions are available:

— Screening calls   — Recording a conversation
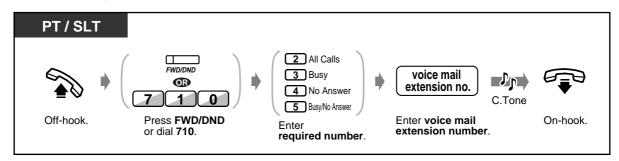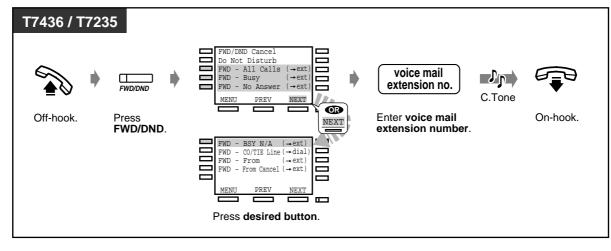
◆◆ *Voice mail integration*

If you cannot answer calls, you can forward them to your mailbox. If your telephone has a MESSAGE button, the button light turns on and lets you know you have messages. Even if a MESSAGE button is not provided, you will hear an indication tone* when going off-hook.
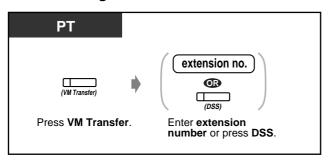
You can also transfer received outside calls to a certain mailbox so that callers can leave messages. If you create a Voice Mail Transfer button on your phone, the transfer is done easily without confirming the voice mail extension number **(Voice Mail Transfer)**.

◆ *To forward your calls to a mailbox*

◆ *Transferring calls*
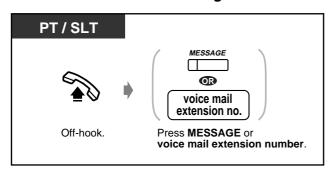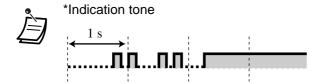
```
┌──────────────────────────────────────────────────────┐
│ PT                                                     │
│                                                        │
│                              ╭─────────────────╮       │
│                              │  extension no.  │       │
│                              ╰─────────────────╯       │
│       ▭▭▭▭▭                        OR                  │
│      (VM Transfer)            ▭▭▭▭▭                    │
│                                (DSS)                   │
│                                                        │
│   Press VM Transfer.     Enter extension               │
│                          number or press DSS.          │
└──────────────────────────────────────────────────────┘
```

◆ *To listen to a stored message*

```
┌──────────────────────────────────────────────────────┐
│ PT / SLT                                               │
│                                                        │
│                              MESSAGE                    │
│                               ▭▭▭▭▭                    │
│        ▲                        OR                     │
│       ☎                   ╭─────────────────╮          │
│                           │  voice mail     │          │
│                           │  extension no.  │          │
│                           ╰─────────────────╯          │
│     Off-hook.            Press MESSAGE or              │
│                          voice mail extension number.  │
└──────────────────────────────────────────────────────┘
```

*Indication tone

```
    1 s
  ├──────┤
............ ⊓⊓...⊓⊓..▬▬▬▬▬▬▬▬▬▬
```

4.1   Customising Your Phone (Station Programming)
  •   4.1.2   Customising the Buttons
        Create or re-arrange a MESSAGE button and Voice Mail (VM) Transfer button.

◆◆ *Screening calls (Live Call Screening [LCS])*

While a caller is leaving a message in your mailbox, you can monitor the call. If
desired, you can answer the call while monitoring. There are two methods
available (Default: Hands-free mode). In both modes, if you are currently having
a conversation, you will hear a call waiting tone.

Hands-free mode:
 You can monitor the message automatically through the telephone speaker
at the same time.
Private mode:
You will hear an alert tone while the caller is leaving a message.
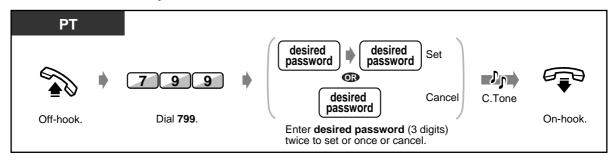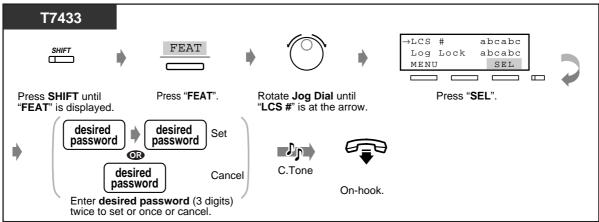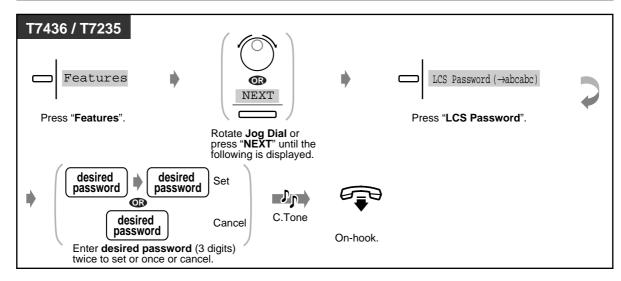
Before operating

- Create a Live Call Screening (LCS) button (Personal Programming).
- Select the mode, either Hands-free or Private (Personal Programming).
- Set the Password.
- Set the Live Call Screening feature.

◆ *To set / cancel the password*

PT

Off-hook. → Dial **799**. → Enter **desired password** (3 digits) twice to set or once or cancel. (Set / Cancel) → C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**LCS #**" is at the arrow. → Press "**SEL**".

→LCS #   abcabc
Log Lock abcabc
MENU   SEL

Enter **desired password** (3 digits) twice to set or once or cancel. (Set / Cancel) → C.Tone → On-hook.

T7436 / T7235

Press "**Features**". → Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. → Press "**LCS Password**".

LCS Password (→abcabc)

Enter **desired password** (3 digits) twice to set or once or cancel. (Set / Cancel) → C.Tone → On-hook.

◆ ***To set Live Call Screening***

PT	
☐▭ *(Live Call Screening)* ➡ (**password**)	
Press **Live Call Screening**.	Enter **password**.

◆ ***To cancel Live Call Screening***

PT
☐▭ *(Live Call Screening)*
Press **Live Call Screening**.

Operation Flowchart

The operations in the shaded areas can be hands-free operations.

* The Live Call Screening (LCS) button light shows the feature status as follows:
  Red on: LCS is on.
  Off: LCS is off.
  Flashing green rapidly: Alert ringing in the Private mode*
  Flashing green slowly: Live Call Screening is in use.*
  * The DSS button light is red while Live Call Screening is in use.
* The operators and the manager can clear a password at any extension.
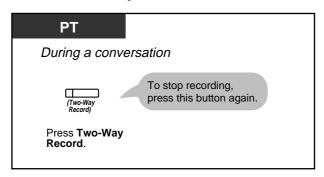
☞ 4.1   Customising Your Phone (Station Programming)
- • 4.1.1   Initial Settings **— Live Call Screening Mode Set**
  Select the mode, either monitoring the message automatically or receiving alert ringing, when the caller leaves a message.
- • 4.1.2   Customising the Buttons
  Create or re-arrange a Live Call Screening button.
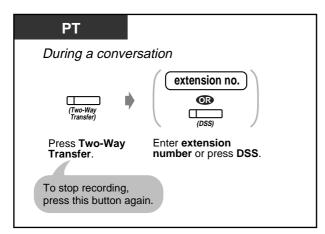
◆▸ *Recording a conversation (Two-Way Recording)*

You can record a conversation into a mailbox while talking on the phone.

◆ *To record into your mailbox*

PT
During a conversation

□▭
(Two-Way Record)

To stop recording, press this button again.

Press **Two-Way Record**.

◆ *To record into another mailbox*

PT
During a conversation

□▭
(Two-Way Transfer)

➡

(extension no.)
OR
□▭
(DSS)

Press **Two-Way Transfer**.

Enter **extension number** or press **DSS**.

To stop recording, press this button again.

✐
- • The Two-Way Record button light shows the current status as follows:
  On: Recording the conversation.
  Off: Not recording.

‼
- • When you record Two-Way telephone conversations, you should inform the other party that the conversation is being recorded.

☞ 4.1   Customising Your Phone (Station Programming)
- 4.1.2   Customising the Buttons
  Create or re-arrange a Two-Way Record button and a Two-Way Transfer button.

2.9 After Moving to a New Location in the Office
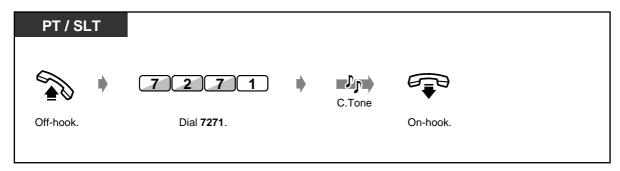
2.9.1 Using the Same Extension Number and the Setting of Your Previous Extension (Walking Station)

Used to move an extension to a new location in the office without re-programming.
Extension data such as extension number, One-Touch dialing memory remain the same after the re-location of the extension.
This feature is convenient if you don't want to change the current extension setting (extension number, etc.) after moving to a new location in the office.
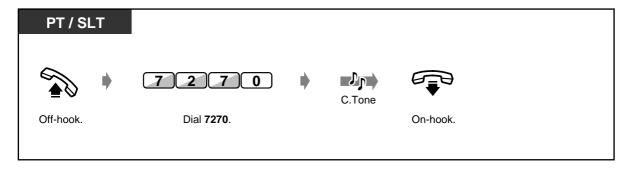
◆ **To start**

PT / SLT

Off-hook. → Dial **7271**. → C.Tone → On-hook.

◆ **To end**

PT / SLT

Off-hook. → Dial **7270**. → C.Tone → On-hook.

- The telephone type (PT, SLT) must be the same at the previous location and a new location.
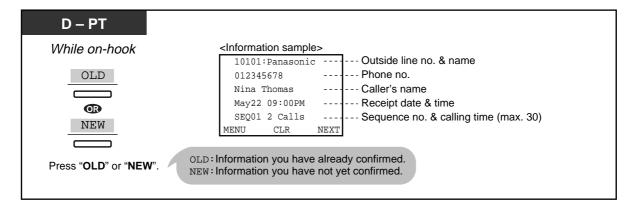
2.10 Using the Display Proprietary Telephone

2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only]

If you do not answer an outside call, the caller's information is recorded automatically in the call log. When the SHIFT button light turns on, there is a call in the call log. You can also store a call log during a conversation. (See 2.10.2   Recording a Call Log [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only].) Up to 30 calls can be logged per extension. You can select how the 31st call is treated; either a new call can be disregarded or a new call overwrites the oldest call. (Default: Overwrite)
You can modify and call back the logged numbers.

◆ **To confirm**

D – PT

While on-hook

OLD

OR

NEW

Press "**OLD**" or "**NEW**".

<Information sample>

```
10101:Panasonic   ------- Outside line no. & name
012345678         ------- Phone no.
Nina Thomas       ------- Caller's name
May22 09:00PM     ------- Receipt date & time
SEQ01 2 Calls     ------- Sequence no. & calling time (max. 30)
MENU    CLR   NEXT
```

OLD: Information you have already confirmed.
NEW: Information you have not yet confirmed.
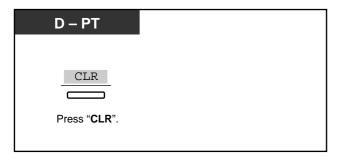
• With the KX-T7433 and the KX-T7230, press the INFO button to scroll through information.

Caller's phone no. → Caller's name
↓
Call duration / Seq. no.
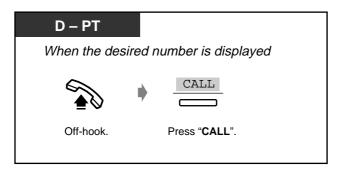
‼ • To modify the phone no, press the "✳" key to erase and then enter the number. The number is modified from the first dight. The new number is programmed.
• After confirming, press the END button. You return to the intial display.

◆ *To clear the log*

D – PT

CLR

Press "**CLR**".

◆ *To call back*

D – PT

When the desired number is displayed

CALL

Off-hook.   Press "**CALL**".

◆ *How to treat the 31st call*

D – PT

5 **6**

1 Overwrite
OR
0 Disregard
C.Tone

Off-hook.   Dial **56**.   Dial **1** to overwrite   On-hook.
                                      or **0** to disregard.

T7433

FEAT

→Log Ovrt   1/0
Login/out   1/0
MENU   SEL

Press **SHIFT** until   Press "**FEAT**".   Rotate **Jog Dial** until   Press "**SEL**".
"**FEAT**" is displayed.   "**Log Ovrt**" is at the arrow.

1 Overwrite
OR
0 Disregard
C.Tone

Dial **1** to overwrite   On-hook.
or **0** to disregard.

◆ *How to treat the 31st call (contd.)*

T7436 / T7235

Features   ➡   **OR** / NEXT   ➡   Log Ovrt On/Off(→1/0)   ➡   **1** Overwrite / **OR** / **0** Disregard   ↩

Press "**Features**".   Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.   Press "**Log Ovrt On/Off**".   Dial **1** to overwrite or **0** to disregard.

C.Tone   ➡   On-hook.

2.10.2 Recording a Call Log [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only]

You can record the caller's information in the call log to call them back. If you do not answer the call, the log is recorded automatically. You can see the call duration during the conversation.

◆ To record a call log

D – PT
During a conversation
LOG
Press "**LOG**".

◆ To view the call duration*

D – PT	
	<Display example>
INFO	10101 12:00'30
	Extension STA Speed
Press "**INFO**".	Features SYS Speed
	Call Log
	INFO LOG

- A KX-T7433 and a KX-T7230 users may change the displayed message as follows by pressing the INFO button.

Caller's phone no. → Caller's name → Call duration / Sequence no.

- To return to the initial display, press the END button.

4.1 Customising Your Phone (Station Programming)
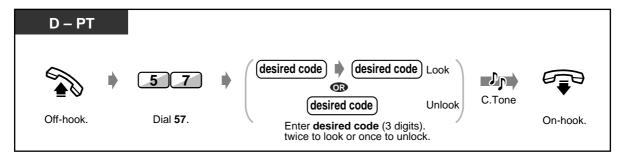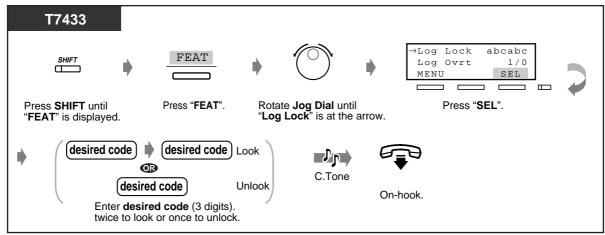
- 4.1.1 Initial Settings **— Initial Display Selection**
  Select the initial display as either the Caller ID screen (default) or the outside line name.
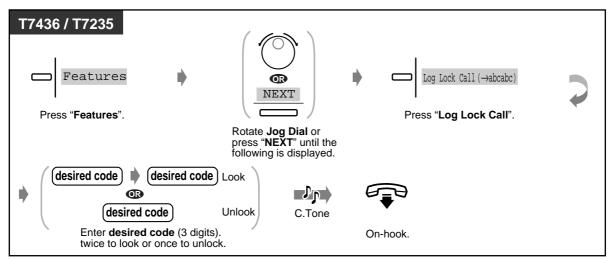
2.10.3   Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only]

You can lock the display of your extension so that "Call Log" of your extension is not shown on the display.

◆ *To lock / unlock*

D – PT

Off-hook. → Dial **57**. →

(
desired code ➡ desired code Look
OR
desired code   Unlook
)

Enter **desired code** (3 digits).
twice to look or once to unlook.

→ C.Tone → On-hook.

T7433

SHIFT
Press **SHIFT** until
"**FEAT**" is displayed.

→ FEAT
Press "**FEAT**".

→ Rotate **Jog Dial** until
"**Log Lock**" is at the arrow.

→
```
→Log Lock   abcabc
 Log Ovrt      1/0
 MENU          SEL
```
Press "**SEL**".

→
(
desired code ➡ desired code Look
OR
desired code   Unlook
)

Enter **desired code** (3 digits).
twice to look or once to unlook.

→ C.Tone → On-hook.

T7436 / T7235

Features
Press "**Features**".

→ OR
NEXT
Rotate **Jog Dial** or
press "**NEXT**" until the
following is displayed.

→ Log Lock Call (→abcabc)
Press "**Log Lock Call**".

→
(
desired code ➡ desired code Look
OR
desired code   Unlook
)

Enter **desired code** (3 digits).
twice to look or once to unlook.

→ C.Tone → On-hook.

• **If you forget the code,** consult your operator or manager. They can unlock the call log display of any extension **(Incoming Call Log Lock Control)**.

2.10.4   *Using the KX-T7433, KX-T7436 or KX-T7235*

— Using the KX-T7433
— Using the KX-T7436
— Using the KX-T7235

— Storing the names and numbers for
    station speed dialling
— Display feature list

◆◆ *Using the KX-T7433*

A KX-T7433 Panasonic proprietary telephone with a 3-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation

1. Press the SHIFT button repeatedly to show the third display.

2. Press the desired button, if required.

3. Rotate the Jog Dial until the desired message is at the arrow.
(See "Features" in 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235 for the feature messages.)

4. Press the CALL button to call the party or the SEL button to select the desired feature.

5. Enter parameters if required.
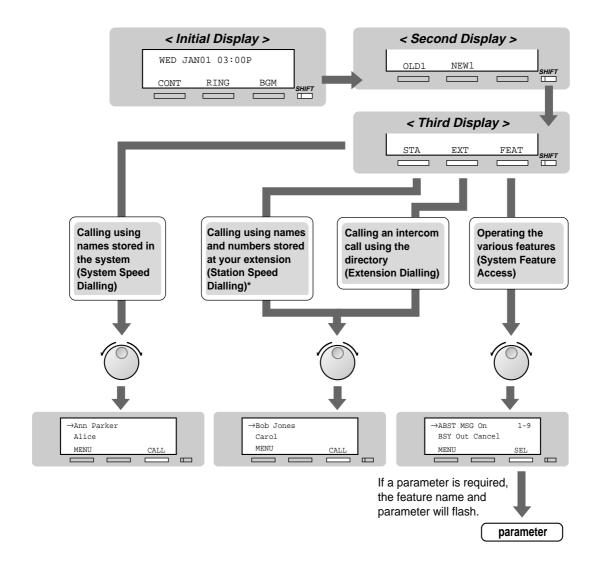
Figure 9:

*The names and phone numbers should be stored beforehand. See "features" in
2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235.

◆◆ *Using the KX-T7436*

A KX-T7436 Panasonic proprietary telephone with a 6-line display allows you to make calls and
operate the features using the display message. You do not have to memorise the phone numbers or
feature numbers.

Operation using the function buttons

1. Press the desired function button on the initial display.

2. Rotate the Jog Dial until the desired message is at the arrow.
(See "Features" in 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235 for the feature
messages.)

---

3. Press the CALL button or the function button to call the party.
Or press the SEL button to select the desired feature at the arrow or press the function button next to the desired feature.

4. Enter parameters if required.
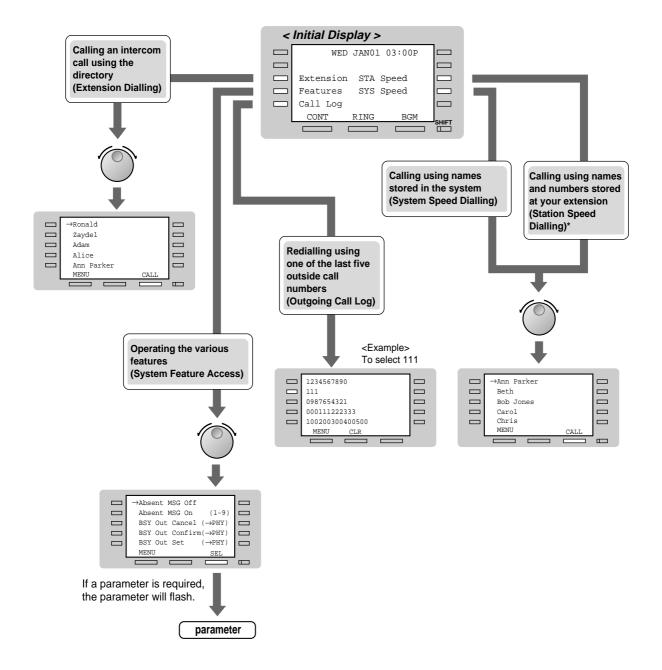
Figure 10:

> *The names and phone numbers should be stored beforehand. See "features" in
> 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235.

Operation using the soft buttons

1. Press the SHIFT button repeatedly to show the third display.

2. Press the desired button, if required.

3. Rotate the Jog Dial until the desired message is at the arrow.
(See "Features" in 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235 for the feature messages.)

4. Press the CALL button to call the party or the SEL button to select the desired feature.

5. Enter parameters if required.
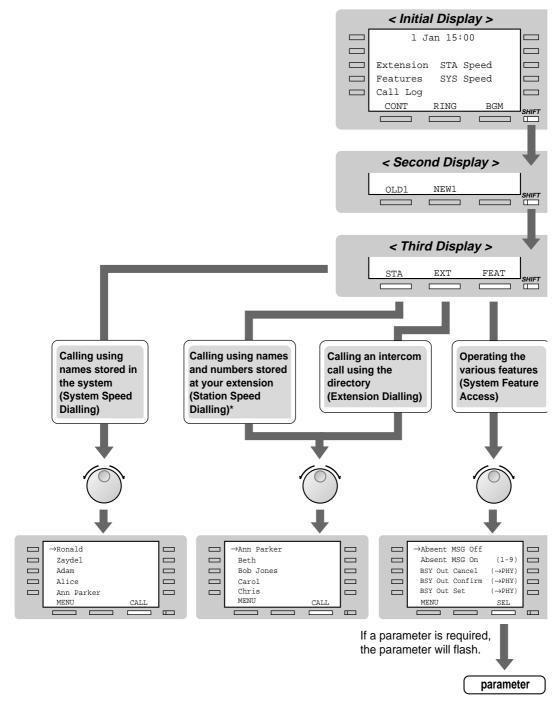
Figure 11:

*The names and phone numbers should be stored beforehand. See "Features" in
2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235.

◆◆ *Using the KX-T7235*

A KX-T7235 Panasonic proprietary telephone with a 6-line display allows you to make calls and operate the features using the display message. You do not have to memorise the phone numbers or feature numbers.

Operation

1. Press the desired function button on the initial display.

2. Press the desired function button or NEXT button until the desired message is displayed. (See "Features" in 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235 for the feature messages.)

3. Press the function button next to the desired party or the feature.

4. Enter parameters if required.

Calling an intercom call using the directory (Extension Dialling)

< Initial Display >

```
        1 Jan 15:00

Extension   STA Speed
Features    SYS Speed
Call Log
    CONT    RING    BGM
```

<Example>
To select Beth

```
AB              KL
C               MN
DE              OPQR
FG              S
HIJ             T-Z
    MENU
```

```
Adam        Bob
Alice       Carol
Ann Parker  Casey
Ben Johns   Ched Ely
Beth        Chris
  MENU   PREV   NEXT
```

Redialling using one of the last five outside call numbers (Outgoing Call Log)

<Example>
To select 111

```
1234567890
111
0987654321
000111222333
100200300400500
  MENU   CLR
```

Calling using names and numbers stored at your extension (Station Speed Dialling)*

<Example>
To select Panasonic

```
Ann Parker  KME
Beth        Panasonic
Bob Jones   Police
Carol       Ronald
Chris       Home
  MENU         NEXT
```

```
0-123-4567   0-987-6543
01111111     0-5555555
033333333    0-999
077777777    0-4444444
10           0-1000000
  MENU          NEXT
```

Operating the various features (System Feature Access)

Calling using names stored in the system (System Speed Dialling)

<Example>
To select Beth

```
AB              KL
C               MN
DE              OPQR
FG              S
HIJ             T-Z
    MENU
```

```
Absent MSG Off
Absent MSG On   (1-9)
BSY Out Cancel  (→PHY)
BSY Out Confirm (→PHY)
BSY Out Set     (→PHY)
  MENU          NEXT
```

```
Busy Ovrd Deny   (→1/0)
C.Pickup CO
C.Pickup Deny    (→1/0)
C.Pickup Direct  (→ext)
C.Pickup Group
  MENU           NEXT
```

```
Adam        Bob
Alice       Carol
Ann Parker  Casey
Ben Johns   Ched Ely
Beth        Chris
  MENU   PREV   NEXT
```

If a parameter is required,
the parameter will flash.

[**parameter**]

Figure 12:

*The names and phone numbers should be stored beforehand. See "features" in
2.10.4 Using the KX-T7433, KX-T7436 or KX-T7235.

◆◆ *Storing the names and numbers for station speed dialling*

T7433

| To enter the programme mode | To programme | To exit |

To continue

| PROGRAM | 9 9 | ✳ ✳ | station speed dial no. | AUTO DIAL / STORE | PROGRAM |

Press **PROGRAM**. Dial **99**. Dial ✳✳. Enter **station speed dial number** (0-9). Press **STORE**. Press **PROGRAM**.

For the desired no. *1

desired no.

Enter **desired number** (max. 16 digits).

For the name *2

NEXT ➡ name

Press "**NEXT**". Enter **name** (max. 10 characters).

---

*1   "✳", "#", FLASH, PAUSE, SECRET (INTERCOM) and — (CONF) can also be stored.

*2   To enter characters, see "Entering characters" in 4.3   Customising Your System (System Programming).

◆◆ *Features*

You can access the following features. These displays can be shown by pressing NEXT or PREV button after selecting "Features". For their operation, see the respective operating instructions in the list below.

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
Absent MSG Off	ABST MSG Off	Cancel the absent message. Refer to "To cancel" in 2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability).
Absent MSG On (→1-9)	ABST MSG On 1-9	Set an absent message. Refer to "To set" in 2.5.3 Showing an Absent Message on the Caller's Telephone Display (Absent Message Capability).

Table 3

Display (KX-T7436/KX-T7235)		Display (KX-T7433)		Feature Description
`BSY Out Cancel`	`(→PHY)`	`BSY Out Cancel`		Cancel the Trunk Busy-out setting. * Refer to 3.2.5 Trunk Busy-out Setting.
`BSY Out Confirm`	`(→PHY)`	`BSY Out Confirm`		Confirm the Trunk Busy-out setting. * Refer to 3.2.5 Trunk Busy-out Setting.
`BSY Out Set`	`(→PHY)`	`BSY Out Set`		Busy out a specific trunk. *Refer to 3.2.5 Trunk Busy-out Setting.
`Busy Ovrd Deny`	`(→1/0)`	`BSY Ovr DNY`	`1/0`	Deny or allow other people the possibility of joining your conversation. Refer to 2.7.9 Denying Other People the Possibility of Joining Your Conversation (Executive Busy Override Deny) .
`C.Pickup CO`		`C.Pickup CO`		Pick up an outside call for another extension. Refer to 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup).
`C.Pickup Deny`	`(→1/0)`	`C.PickupDNY`	`1/0`	Deny or allow other people the possibility of picking up your calls. Refer to 2.7.8 Denying Other People the Possibility of Picking up Your Calls (Call Pickup Deny).
`C.Pickup Direct`	`(→ext)`	`C.PickupDRT`	`ext`	Pick up a specific extension's call. Refer to 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup).
`C.Pickup Group`		`C.Pickup GRP`		Pick up a call within your extension group. Refer to 2.3.3 Answering a Call Ringing at Another Telephone (Call Pickup).
`C.Waiting`	`(→0-3)`	`C.Waiting`	`0-3`	Cancel or set the Call Waiting feature. Refer to "To set / cancel" in 2.7.3 Receiving a Call Waiting (Call Waiting / Off-Hook Call Announcement [OHCA] / Whisper OHCA).

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
`Call Park        (→00-99)`	`Call Park      00-99`	Place a call on hold in a system parking area. Refer to "To set" and "To retrieve" in 2.4.1 Holding a Call.
`Callback Busy Cancel`	`Callback Cancel`	Cancel the setting which reserves a busy line. Refer to "To cancel" in 2.2.4 When the Dialled Line is Busy or There is No Answer.
`Data Line On/Off   (→1/0)`	`Data Line       1/0`	Refuse (On) or accept (Off) an indication tone, e.g. call waiting tone. Refer to "To set" in 2.7.11 Protecting Your Line against Indication Tones (Data Line Security).
`Door Open       (→1-8)`	`Door Open        1-8`	Unlock the door. Refer to "From specified extension" in 2.8.1 If a Doorphone / Door Opener is Connected.
`Doorphone Call    (→1-8)`	`Doorphone        1-8`	Call the doorphone. Refer to "To call the doorphone" in 2.8.1 If a Doorphone / Door Opener is Connected.
`Extrn BGM On/Off`	`Ext-BGM On/Off`	Turn on/off the background music.* Refer to 3.2.2 Turning on the External Background Music (Background Music [BGM] - External).
`Extrn MODEM CTL   (→1-5)`	`Extrn MODEM       1-5`	Control the external modem by sending a pre-assigned AT Command. Refer to 2.11.1 Controlling the External Modem (External Modem Control).
`FWD Cancel Once   (→ext)`	`FWD Cancel Once`	Cancel the Call Forwarding feature set at other extensions. *Refer to 3.1.3 Calling the Extension that has set Call Forwarding (Remote FWD Cancel-Once).

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
LCS Password (→abcabc)	LCS # abcabc	Set or cancel the password for the Live Call Screening feature. Refer to "To set / cancel the password" in 2.8.3 If a Voice Processing System is Connected.
Log Lock Call (→abcabc)	Log Lock abcabc	Deny or allow other people the possibility of seeing your call log. Refer to 2.10.3 Denying Other People the Possibility of Seeing Your Call Log (Incoming Call Log Lock) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only].
Log Ovrt On/Off (→1/0)	Log Ovrt 1/0	Select how the 31st call is treated, either it is disregarded (Off) or overwrites (On) the oldest call. Refer to "How to treat the 31st call" in 2.10.1 Calling Using the Call Log (Incoming Call Log) [KX-T7433, KX-T7436, KX-T7230, KX-T7235 only].
Login/Logout (→1/0)	Login/out 1/0	Join (Log-in) or leave (Log-out) the call receiving group. Refer to 2.5.5 Leaving an Extension Group (Log-In / Log-Out).
Message Off (→ext)	MSG Off ext	Cancel a notification. Refer to "Leaving a message waiting indication (Massage Waiting)" in 2.2.4 When the Dialled Line is Busy or There is No Answer.
Message On (→ext)	MSG On ext	Leave a notification so that the called party may call you back. Refer to "Leaving a message waiting indication (Massage Waiting)" in 2.2.4 When the Dialled Line is Busy or There is No Answer.
Night On/Off (→1/0)	Night Mode 1/0	Change the day (Off) / night (On) mode. (Pre-assigned extension can also change the mode.) Refer to 3.2.1 Switching the Day / Night Service.

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
`OGM Playback        (→1-8)`	`OGM Play        1-8`	Playback the outgoing message.* Refer to "To play back" in 3.2.3 Recording Outgoing Messages.
`OGM Recording       (→1-8)`	`OGM Record      1-8`	Record an outgoing message.* Refer to "To record" in 3.2.3 Recording Outgoing Messages.
`Page Deny On/Off    (→1/0)`	`Page Deny       1/0`	Deny (On) or allow (Off) being paged. Refer to "To set / cancel in 2.7.4 Denying the Paged Announcement (Paging — DENY).
`Page-Ext Answer     (→1-2)`	`Page-E ANS      1-2`	Answer the paged anouncement through a speaker. Refer to 2.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS]), "Through a speaker" in 2.6.3 Answering a Paged Announcement.
`Page-GRP Answer`	`Page-GRP ANS`	Answer the paged annouecement through a telephone in the same extension group. Refer to "Through the telephones" in 2.6.3 Answering a Paged Announcement.
`Paging Group     (#, 01-16)`	`Page GRP       01-16`	Page to all or a particular paging group. Refer to "Group" in 2.6.1 Paging.
`Paging External     (→0-2)`	`Page Extrn      0-2`	Page through the external speaker. Refer to "External" in 2.6.1 Paging.
`Parallel On/Off     (→1/0)`	`Parallel        1/0`	Set whether a single line telephone connected in parallel will ring (On) or not (Off) when receiving a call. Refer to 2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection).

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
Pickup Dialing (→1/0)	Pickup Dial 1/0	Set or cancel the feature, calling to a pre-set party by going off-hook. Refer to "To set / cancel" in 2.2.2 Easy Dialling.
Pickup DL Prg (→..+#)	Pickup DL PG..#	Store the extension or phone number to call a party by going off-hook. Refer to "To store a phone number" in 2.2.2 Easy Dialling.
Remote DND (→ext)	Remote DND	Set or cancel the DND feature set at other extensions. *Refer to 3.1.2 Setting or Cancelling the DND Feature to Other Extensions (Remote DND Control).
Remote Timed Reminder	R-Timed Remind	Set the alarm ringing time for any extension.* Refer to "To set" and "To cancel" in 3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder).
Station Lock (→abcabc)	St.Lock abcabc	Deny other people the possibility of using your telephone. Refer to 2.5.4 Preventing Other People from Using Your Telephone (Electronic Station Lockout).
Station Program Clear	STA. Prog Clear	Clear the features set at your telephone. Refer to 2.7.14 Clearing the Feature Settings at Your Extension (Station programme Clear).
Timed Reminder	Timed Reminder	Set the alarm ringing time. Refer to "To set" and "To cancel in 2.7.1 Setting the Alarm (Timed Reminder).
TRK Route CTL (→PHY)	TRK Route CTL	Verify the status of a specific trunk. *Refer to 3.2.6 Trunk Route Control.
UCD Monitor End	UCD Monitor End	Cancel the monitoring of a UCD Group. *Refer to "To set" in 2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode).

Table 3

Display (KX-T7436/KX-T7235)	Display (KX-T7433)	Feature Description
`UCD Monitor STRT     (→FDN)`	`UCD Monitor STR`	Start the monitoring of a UCD Group. *Refer to "To cancel" in 2.11.3 Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode).
`Walking COS    (→code+ext)`	`WK.COS        code+ext`	Call using your privileges at another extension. Refer to "Using your password (Walking COS)" in 2.2.5 Calling without Restrictions.

Available for the Manager and the Operators only.

Call Forwarding/Do Not Disturb feature:
You can also access the Call Forwarding and Do Not Disturb features. Go off-hook and press the FWD/DND button. You will see the following displays. For their operation, see the respective operating instructions. The KX-T7436 and the KX-T7235 users only use this display operation.

```
FWD/DND Cancel
Do Not Disturb
FWD-All Calls    (→ext)
FWD-Busy         (→ext)
FWD-No Answer    (→ext)
 MENU    PREV    NEXT
```
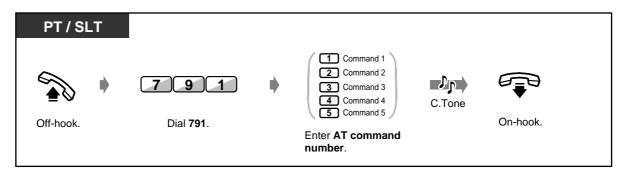
```
FWD-BSY/NA       (→ext)
FWD-CO/TIE Line (→dial)
FWD-From         (→ext)
FWD-From Cancel (→ext)

 MENU    PREV    NEXT
```
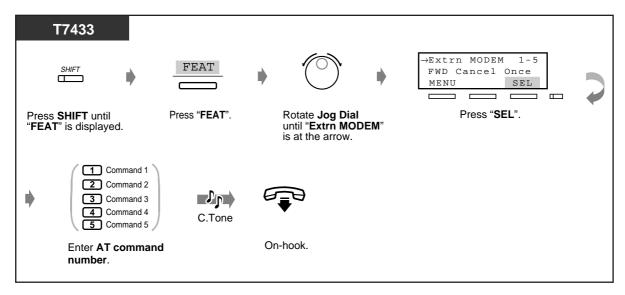
2.11   Other Features

2.11.1   Controlling the External Modem (External Modem Control)
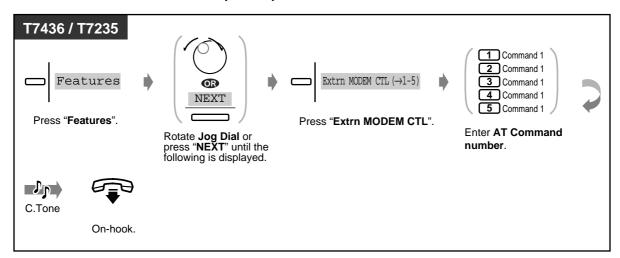
Allows you to control the external modem, connected to the KX-TD500 System, using an RS-232C cable, by sending a pre-assigned AT command (for enabling Automatic Answer, etc.).

◆ *To activate an AT command*

◆ *To activate an AT command (contd.)*

T7436 / T7235

Press "**Features**".

Rotate **Jog Dial** or
press "**NEXT**" until the
following is displayed.

Press "**Extrn MODEM CTL**".

Enter **AT Command
number**.

C.Tone

On-hook.
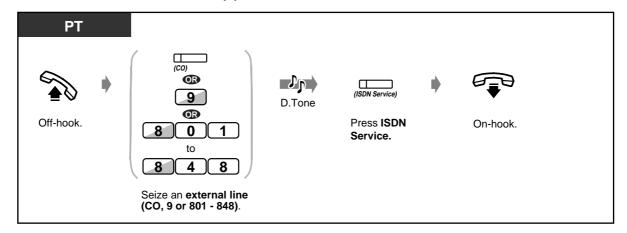
- An AT command can only be programmed by Serial Interface/Remote Programming
  software.
- For more information about AT Command, please refer to the modem instructions.
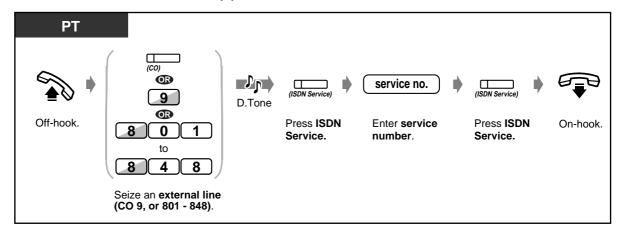
2.11.2 Accessing the ISDN Network Service (ISDN Network Service Access)

You can access services provided by the ISDN Network.

◆ **To access an ISDN Service (1)**

◆ **To access an ISDN Service (2)**

• For more information about ISDN Network Services or the specific numbers, please consult your ISDN Network provider.
• The ISDN Service button can be used, just after getting the outside line, during a call and after disconnecting the call. (This depends on the type of the service provided by the ISDN Network provider.)
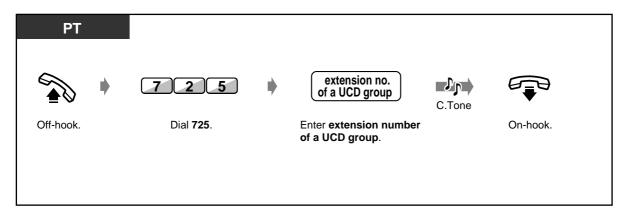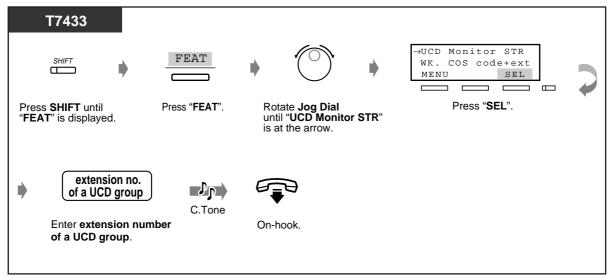
☞ 4.1 Customising Your Phone (Station Programming)
   • 4.1.2 Customising the Buttons
     Create or re-arrange an ISDN Service button

2.11.3   Monitoring the Number of UCD Calls Waiting to be Answered (UCD Monitor Mode)

You can (if specified as the Supervisor Extension of a UCD Group) monitor the number of calls waiting to be answered in the queue.

◆ *To set*

PT

7 2 5 → extension no. of a UCD group → C.Tone →

Off-hook.   Dial **725**.   Enter **extension number of a UCD group**.   On-hook.

T7433

SHIFT → FEAT → (Jog Dial) →

```
→UCD Monitor STR
 WK. COS code+ext
 MENU        SEL
```

Press **SHIFT** until "**FEAT**" is displayed.   Press "**FEAT**".   Rotate **Jog Dial** until "**UCD Monitor STR**" is at the arrow.   Press "**SEL**".

→ extension no. of a UCD group → C.Tone →

Enter **extension number of a UCD group**.   On-hook.

◆ *To set (contd.)*

T7436 / T7235

☐ Features	⟳ **OR** PREV ☐	☐ UCD Monitor STRT(→FDN)
Press "**Features**".	Rotate **Jog Dial** or press "**PREV**" until the following is displayed.	Press "**UCD Monitor STRT**".

extension no.
of a UCD group

Enter **extension number of a UCD group**.

🎵 C.Tone

☎ On-hook.

◆ *To cancel*

PT

☎ Off-hook.

⟨7⟩ ⟨2⟩ ⟨5⟩ ⟨✶⟩
Press **725✶**.

🎵 C.Tone

☎ On-hook.

T7433

SHIFT ☐
Press **SHIFT** until "**FEAT**" is displayed.

FEAT ☐
Press "**FEAT**".

⟳ Rotate **Jog Dial** until "**UCD Monitor End**" is at the arrow.

```
→UCD Monitor End
 UCD Monitor STR
 MENU        SEL
 ⊏⊐   ⊏⊐   ⊏⊐  ⊏
```
Press "**SEL**".

🎵 C.Tone

☎ On-hook.

◆ *To cancel (contd.)*

T7436 / T7235

Features

Press "**Features**".

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

UCD Monitor End

Press "**UCD Monitor End**".

C.Tone

On-hook.

- The Supervisor Extension of a UCD Group is specified by System Programming.

Section 3

Operator / Manager Operation

This chapter shows the Operators and the Manager how to control the extensions and the system. Your system supports a group of operators and one manager.
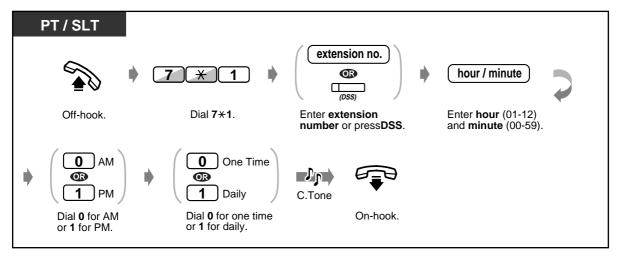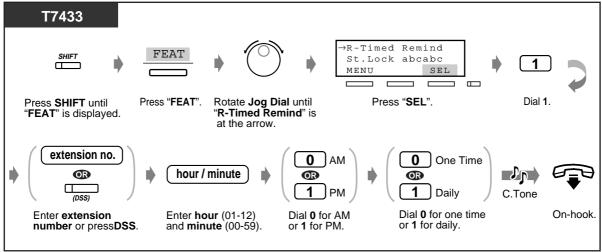
3.1 Extension Control

3.1.1 Setting the Alarm for Other Extensions (Remote Timed Reminder)
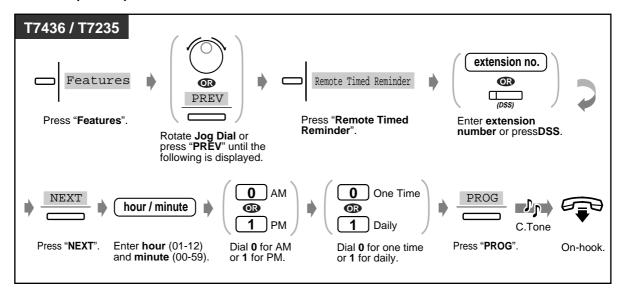
The Manager and the Operators can remotely set or cancel the Timed Reminder feature to any extension.

◆ **To set**

◆ *To set (contd.)*

T7436 / T7235

[ ] Features
Press "**Features**".

⟳ OR PREV [ ]
Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

[ ] Remote Timed Reminder
Press "**Remote Timed Reminder**".

(extension no. OR (DSS))
Enter **extension number** or press **DSS**.

NEXT [ ]
Press "**NEXT**".

(hour / minute)
Enter **hour** (01-12) and **minute** (00-59).

(**0** AM OR **1** PM)
Dial **0** for AM or **1** for PM.

(**0** One Time OR **1** Daily)
Dial **0** for one time or **1** for daily.

PROG [ ]
Press "**PROG**".

♪♪ C.Tone

On-hook.

◆ *To cancel*

PT / SLT

Off-hook.

7 **✳** **0**
Dial **7✳0**.

(extension no. OR (DSS))
Enter **extension number** or press **DSS**.

♪♪ C.Tone

On-hook.

T7433

SHIFT [ ]
Press **SHIFT** until "**FEAT**" is displayed.

FEAT [ ]
Press "**FEAT**".

⟳
Rotate **Jog Dial** until "**R-Timed Remind**" is at the arrow.

→R-Timed Remind
St.Lock abcabc
MENU   SEL
[ ] [ ] [ ] [ ]
Press "**SEL**".

0
Dial **0**.

(extension no. OR (DSS))
Enter **extension number** or press **DSS**.

♪♪ C.Tone

On-hook.

◆ *To cancel (contd.)*

T7436 / T7235

▭ Features ➡ **OR** / PREV ➡ ▭ Remote Timed Reminder ➡ extension no. **OR** (DSS) ↻

Press "**Features**". Rotate **Jog Dial** or press "**PREV**" until the following is displayed. Press "**Remote Timed Reminder**". Enter **extension number** or press **DSS**.

➡ NEXT ➡ CLR ➡ ♪♪ C.Tone ☎ (on-hook)

Press "**NEXT**". Press "**CLR**". On-hook.

◆ *To view the setting*

D – PT

☎ (off-hook) ➡ 7 ✳ 2 ➡ extension no. **OR** (DSS) ➡ ☎ (on-hook)

Off-hook. Dial **7✳2**. Enter **extension number** or press **DSS**. On-hook.

‼ • If the daily alarm is set, the display shows "*" in the corner.
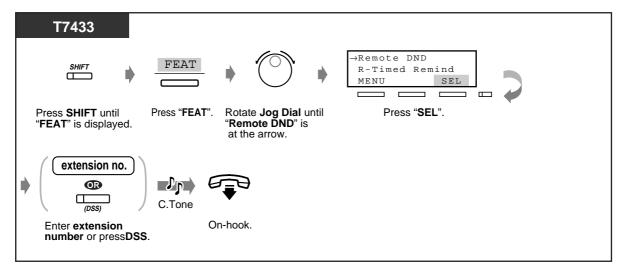
Alarm   10:10AM*

3.1.2 Setting or Cancelling the DND Feature to Other Extensions (Remote DND Control)
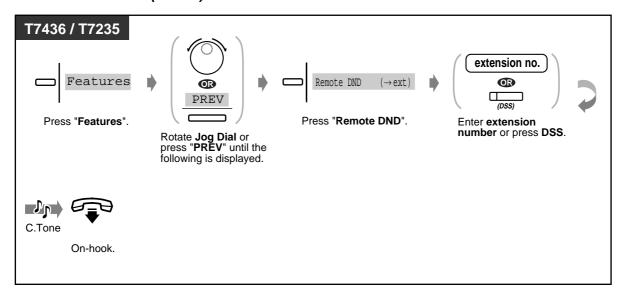
The Manager and the Operators can set and cancel the DND (Do Not Disturb) feature to other extensions.

◆ *To set / To cancel*

PT / SLT

Off-hook. | Dial **722**. | Enter **extension number** or press **DSS**. | C.Tone | On-hook.

extension no.
(DSS)

T7433

| SHIFT | FEAT | | →Remote DND
R-Timed Remind
MENU   SEL |

Press **SHIFT** until "**FEAT**" is displayed. | Press "**FEAT**". | Rotate **Jog Dial** until "**Remote DND**" is at the arrow. | Press "**SEL**".

extension no.
(DSS)

C.Tone

Enter **extension number** or press **DSS**. | On-hook.

◆ *To set / To cancel (contd.)*

T7436 / T7235

Press "**Features**".

Rotate **Jog Dial** or press "**PREV**" until the following is displayed.

Press "**Remote DND**".

Enter **extension number** or press **DSS**.

C.Tone

On-hook.

3.1.3 Calling the Extension that has set Call Forwarding (Remote FWD Cancel-Once)

The Manager and the Operators can ring the extension that has set FWD (Call Forwarding) feature.
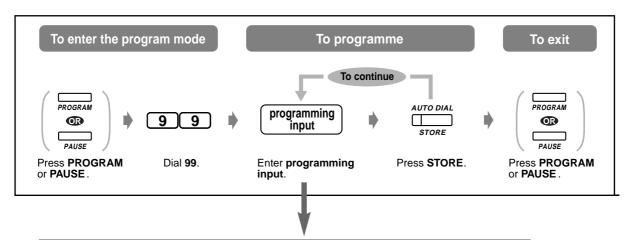
◆ *To cancel Call Forwarding temporarily*

PT / SLT

Off-hook.　　　　　Dial **723**.　　　　Enter **extension**　　　R.B.Tone　　　　Talk.
　　　　　　　　　　　　　　　　　　number or press **DSS**.

T7433

Press **SHIFT** until 　Press "**FEAT**".　　Rotate **Jog Dial** until 　Press "**SEL**".　　　　Talk.
"**FEAT**" is displayed.　　　　　　　　"**FWD Cancel Once**"
　　　　　　　　　　　　　　　　　is at the arrow.

```
→FWD Cancel Once
 LCS #    abcabc
 MENU        SEL
```

R.B.Tone

T7436 / T7235

Press "**Features**".　　Rotate **Jog Dial** or 　Press "**FWD Cancel Once**".　Enter **extension**
　　　　　　　　press "**NEXT**" until the 　　　　　　　　　　**number** or press **DSS**.
　　　　　　　　following is displayed.

`FWD Cancel Once (→ext)`

R.B.Tone

Talk.

3.1.4 Changing the Settings (Station Programming)

To enter the program mode	To programme	To exit

To continue

PROGRAM
OR
PAUSE
→ **9** **9** → **programming input** → AUTO DIAL / **STORE** → PROGRAM
OR
PAUSE

Press **PROGRAM** or **PAUSE**.   Dial **99**.   Enter **programming input**.   Press **STORE**.   Press **PROGRAM** or **PAUSE**.

Item	Programming Input

Unlocking or locking any extension (Remote Station Lock Control)	**0** **1** extension no.* **X**
	
	 X= 1 : Unlock
	     2 : Lock outside calls
	     3 : Lock intercom calls except operator call

Unlocking the call log (Incoming Call Log Lock Control)	**0** **2** extension no.*
Clearing the Live Call Screening Password (Live Call Screening Password Control)	**0** **3** extension no.*
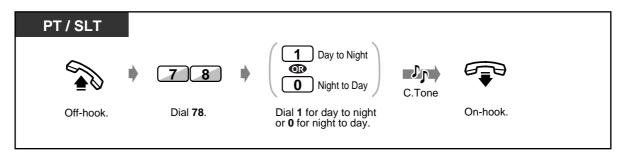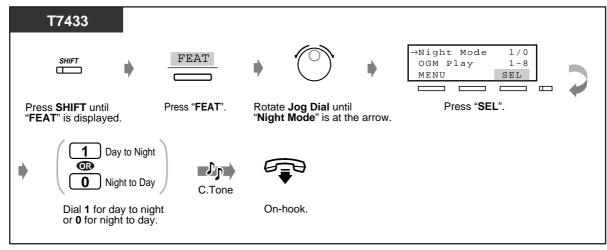
*To assign all extensions, press the "✳" key.
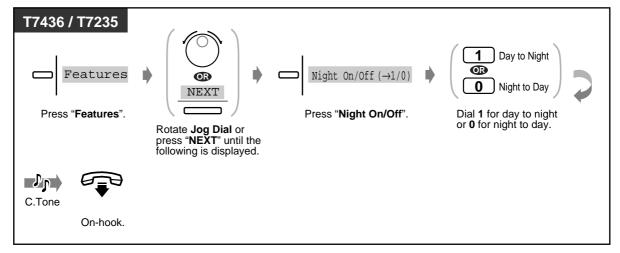
3.2 System Control

3.2.1 Switching the Day / Night Service

The Manager and Operators can turn on/off the Night service mode. The TX-TD500 System supports both the Night and Day modes of operation in a different arrangement. The system operation for originating and receiving calls can be programmed differently in Day and Night modes.

PT / SLT

Off-hook.   →   Dial **78**.   →   Dial **1** for day to night or **0** for night to day.
(**1** Day to Night **OR** **0** Night to Day)   →   C.Tone   →   On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed.   →   Press "**FEAT**".   →   Rotate **Jog Dial** until "**Night Mode**" is at the arrow.   →   Press "**SEL**".

```
→Night Mode   1/0
 OGM Play     1-8
 MENU         SEL
```

Dial **1** for day to night or **0** for night to day.
(**1** Day to Night **OR** **0** Night to Day)   →   C.Tone   →   On-hook.

T7436 / T7235

Press "**Features**".   →   Rotate **Jog Dial** or press "**NEXT**" until the following is displayed.   →   Press "**Night On/Off**".   →   Dial **1** for day to night or **0** for night to day.

Features   Night On/Off (→1/0)   (**1** Day to Night **OR** **0** Night to Day)

C.Tone   →   On-hook.

- **To confirm the current mode**, press the "#" key while on-hook.
- The Day/Night button light shows the current status as follows:
  Off: Day mode
  Red: Night mode
- Pre-assigned extension user can also change the mode.
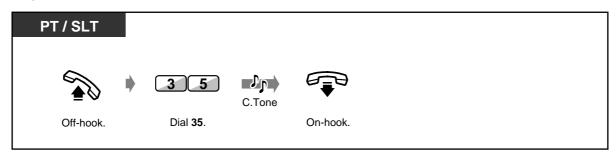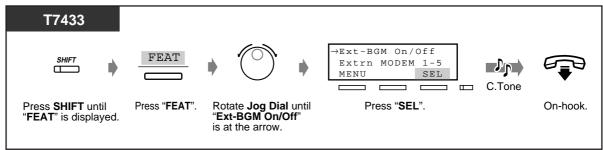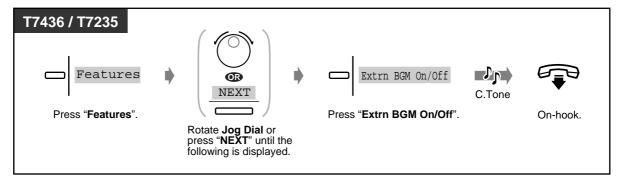
4.1   Customising Your Phone (Station Programming)
- 4.1.2   Customising the Buttons
  Create or re-arrange a Day / Night button.

3.2.2 Turning on the External Background Music (Background Music [BGM] - External)

The Manager and the Operators can turn on/off the background music (BGM) through external speakers.

PT / SLT

Off-hook. → Dial **35**. → C.Tone → On-hook.

T7433

Press **SHIFT** until "**FEAT**" is displayed. → Press "**FEAT**". → Rotate **Jog Dial** until "**Ext-BGM On/Off**" is at the arrow. → Press "**SEL**". → C.Tone → On-hook.

Display:
```
→Ext-BGM On/Off
 Extrn MODEM 1-5
MENU          SEL
```

T7436 / T7235

Press "**Features**". → Rotate **Jog Dial** or press "**NEXT**" until the following is displayed. → Press "**Extrn BGM On/Off**". → C.Tone → On-hook.

Display: `Extrn BGM On/Off`

3.2.3 Recording Outgoing Messages

Up to 8 OGM Groups are available in the System and OGM Type for each OGM group is determined by System Programming.
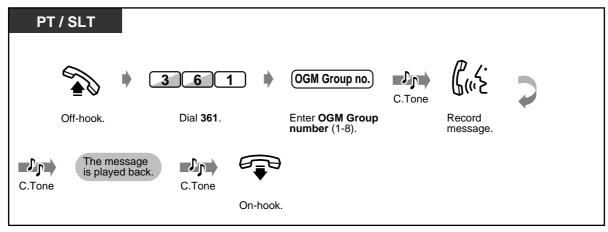
The following three types of Outgoing Messages can be recorded and played back:
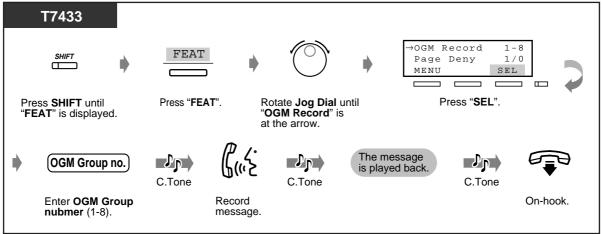
DISA message: Used as the greeting message or guidance when an external party calls your company to access an extension or external party without any operator assistance.

Timed Reminder (Wake-up) message: Often used as a wake-up message which is played when answering the Timed Reminder alarm.
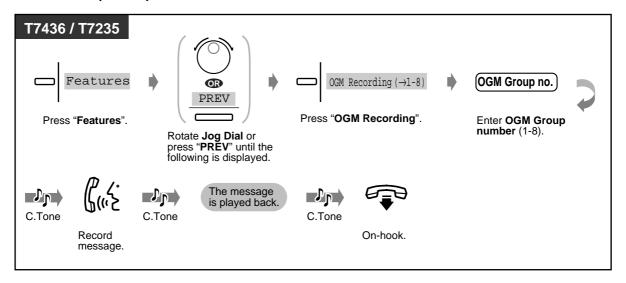
UCD (Uniform Call Distribution) message: This message is played when an outside caller to a UCD group cannot reach any UCD group member.

◆ **To record**

◆ *To record (contd.)*

T7436 / T7235

Features	➡	OR / PREV	➡	OGM Recording (→1-8)	➡	OGM Group no.
Press "**Features**".		Rotate **Jog Dial** or press "**PREV**" until the following is displayed.		Press "**OGM Recording**".		Enter **OGM Group number** (1-8).

C.Tone ➡ Record message. ➡ C.Tone ➡ The message is played back. ➡ C.Tone ➡ On-hook.

◆ *To play back*

PT / SLT

Off-hook. ➡ **3 6 2** Dial **362**. ➡ OGM Group no. Enter **OGM Group number** (1-8). ➡ C.Tone ➡ The message is played back. ➡ C.Tone ➡ On-hook.

T7433

SHIFT ➡ FEAT ➡ Jog Dial ➡ →OGM Play 1-8 / OGM Record 1-8 / MENU SEL

Press **SHIFT** until "**FEAT**" is displayed. Press "**FEAT**". Rotate **Jog Dial** until "**OGM Play**" is at the arrow. Press "**SEL**".

➡ OGM Group no. Enter **OGM Group number** (1-8). ➡ C.Tone ➡ The message is played back. ➡ C.Tone ➡ On-hook.

◆ *To play back (contd.)*

```
T7436 / T7235
```

▭ | Features   ➡ (Jog Dial) **OR** / PREV   ➡ ▭ | OGM Playback (→1-8)   ➡ (OGM Group no.) ↩

Press "**Features**".   Rotate **Jog Dial** or press "**PREV**" until the following is displayed.   Press "**OGM Playback**".   Enter **OGM Group number** (1-8).

♪ ➡ (The message is played back.) ➡ ♪ ➡ (on-hook handset)

C.Tone   C.Tone   On-hook.

• **To stop recording or playing back,** press the AUTO DIAL / STORE button.

• **Message recording limit**
  A maximum recording time for each OGM is 30 seconds.

3.2.4 Using the ANSWER / RELEASE Button
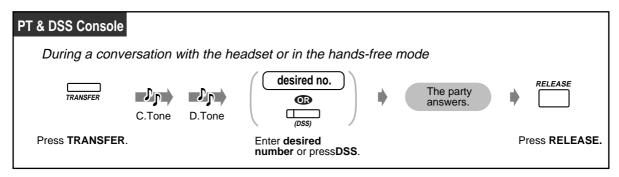
The ANSWER and the RELEASE buttons are useful for operations with the headset or in the hands-free mode.
With the ANSWER button, you can answer all incoming calls to the paired / your own telephone.
With the RELEASE button, you can disconnect the line during or after a conversation, or complete transferring a call.

◆ *To answer*

PT & DSS Console

When a call comes in on your extension

Press **ANSWER**.　　　Talk.　　　Press **RELEASE.**

◆ *To transfer a call*

PT & DSS Console

During a conversation with the headset or in the hands-free mode

desired no.

OR

(DSS)

The party answers.

Press **TRANSFER**.　　C.Tone　　D.Tone　　Enter **desired number** or press**DSS**.　　Press **RELEASE.**
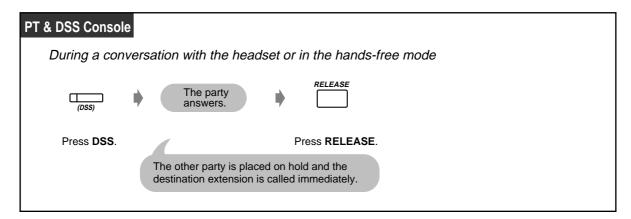
◆ *To transfer an outside call to an extension with One-Touch*

PT & DSS Console

During a conversation with the headset or in the hands-free mode

(DSS)

The party answers.

Press **DSS**.　　　Press **RELEASE**.

The other party is placed on hold and the destination extension is called immediately.

• ANSWER and RELEASE buttons are provided as a fixed button on the KX-T7441, DSS Console. For other PTs and DSS Consoles, these buttons can be assigned to a flexible button (CO, DSS, PF).
If you press the ANSWER button to answer a new call during the current call, the current call will be disconnected.
If a call which comes in on your extension is not ringing, you can not answer it by pressing the ANSWER button.

4.1   Customising Your Phone (Station Programming)
• 4.1.1   Initial Settings
Create or re-arrange an ANSWER button and a RELEASE button.

3.2.5 Trunk Busy-out Setting

The Manager and the Operators can busy out a trunk.

◆ *To set*

PT / SLT

Off-hook.   Dial **7261**.   Enter **trunk port**   On-hook.
                                                        physical number.

C.Tone

T7433


```
→BSY Out Set
 BSY Ovr DNY 1/0
MENU        SEL
```

Press **SHIFT** until   Press "**FEAT**".   Rotate **Jog Dial** until   Press "**SEL**".
"**FEAT**" is displayed.   "**BSY Out Set**" is
                                                at the arrow.

trunk port physical no.

C.Tone

Enter **trunk port**   On-hook.
physical number.

T7436 / T7235

Features   BSY Out Set (→PHY)   **trunk port physical no.**

C.Tone

Press "**Features**".   Press "**BSY Out Set**".   Enter **trunk port**   On-hook.
                                                        physical number.

◆ *To cancel*

PT / SLT

📞 ➡ **7 2 6 0** ➡ (trunk port physical no.) 🎵➡ C.Tone 📞

Off-hook.   Dial **7260**.   Enter **trunk port**   On-hook.
                                          physical number.

T7433

SHIFT
▭ ➡ FEAT ▭ ➡ (jog dial) ➡ →BSY Out Cancel
                                      BSY Out Confirm
                                      MENU   SEL
                                      ▭ ▭   ▭ ▭

Press **SHIFT** until   Press "**FEAT**".   Rotate **Jog Dial** until   Press "**SEL**".
"**FEAT**" is displayed.   "**BSY Out Confirm**" is
                                                    at the arrow.

➡ (trunk port physical no.) 🎵➡ C.Tone 📞

    Enter **trunk port**   On-hook.
    physical number.

T7436 / T7235

▭ Features ➡ ▭ BSY Out Cancel (→PHY) ➡ (trunk port physical no.) 🎵➡ C.Tone 📞

Press "**Features**".   Press **BSY Out Cancel.**   Enter **trunk port**   On-hook.
                                                          physical number.

◆ *To confirm*

PT / SLT

📞 ➡ **7 2 6 2** ➡ (trunk port physical no.) 🎵➡ C.Tone 📞

Off-hook.   Dial **7262**.   Enter **trunk port**   On-hook.
                                          physical number.

◆ *To confirm (contd.)*

T7433

SHIFT
▭

Press **SHIFT** until
"**FEAT**" is displayed.

➡

FEAT
▭

Press "**FEAT**".

➡

Rotate **Jog Dial** until
"**BSY Out Confirm**" is
at the arrow.

➡

```
→BSY Out Confirm
 BSY Out Set
MENU         SEL
```

Press "**SEL**".

➡ (trunk port physical no.)

Enter **trunk port
physical number**.

♪ ➡ C.Tone

☎

On-hook.

T7436 / T7235

▭ Features

Press "**Features**".

➡ ▭ BSY Out Confirm (→PHY)

Press **BSY Out Confirm.**

➡ (trunk port physical no.)

Enter **trunk port
physical number.**

♪ ➡ C.Tone

☎

On-hook.

3.2.6 **Trunk Route Control**

The Manager and the Operators can verify the status of the specified trunk.

◆ *To set*

PT / SLT

7 **2** **4** → (trunk port physical no.) → D.Tone

Off-hook.   Dial **724**.   Enter **trunk port physical number**.

T7433

SHIFT → FEAT → (Jog Dial) → →TRK Route CTL / UCD Monitor End / MENU   SEL

Press **SHIFT** until "**FEAT**" is displayed.   Press "**FEAT**".   Rotate **Jog Dial** until "**TRK Route CTL**" is at the arrow.   Press "**SEL**".

(trunk port physical no.) → D.Tone

Enter **trunk port physical number**.

T7436 / T7235

Features → OR / PREV → TRK Route CTL (→PHY) → (trunk port physical no.) → D.Tone

Press "**Features**".   Rotate **Jog Dial** or press "**PREV**" until the following is displayed.   Press "**TRK Route CTL**".   Enter **trunk port physical number**.

3.2.7 Displaying a System Error Indication (Local Alarm Indication) [Manager only]

If a system error is detected during on-line communication mode, the system alerts the Manager extension by turning on the Alarm button indicator on it. The Alarm button lights in red. The Manager can confirm the error indication by pressing the red lit Alarm button. If a major error occurs, minor errors will be neglected and only the first major error message will be displayed. The second error will be neglected, if the error priority is the same as the first one. Please refer to Section 7 "Troubleshooting" in the Installation Manual for the detailed information on error messages.

◆ To display an alarm indication

```
┌─────────────────────────────────────────────────────────────────┐
│ ┌──────────┐                                                     │
│ │    PT    │                                                     │
│ └──────────┘                                                     │
│                                                                  │
│   When the Alarm button turns red                                │
│                                                                  │
│   ┌──────────┐                                                   │
│   │          │                                                   │
│   └──────────┘                                                   │
│    (Alarm)                                                        │
│                                                                  │
│   Press Alarm.                                                    │
│                                                                  │
└─────────────────────────────────────────────────────────────────┘
```

◆ To clear the alarm indication

```
┌─────────────────────────────────────────────────────────────────┐
│ ┌──────────┐                                                     │
│ │    PT    │                                                     │
│ └──────────┘                                                     │
│                                                                  │
│   While the alarm indication is displayed                        │
│                                                                  │
│   ┌──────────┐                                                   │
│   │          │                                                   │
│   └──────────┘                                                   │
│    (Alarm)                                                        │
│                                                                  │
│   Press Alarm.                                                    │
│                                                                  │
└─────────────────────────────────────────────────────────────────┘
```

- • If multiple errors are generated at a time, only the error with the highest priority will be displayed by pressing the red lit Alarm button.

☞ 4.1 Customising Your Phone (Station Programming)
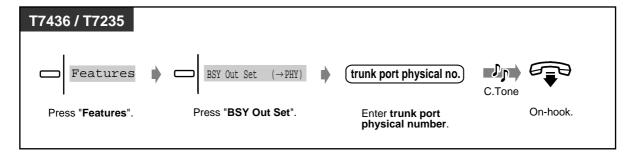- • 4.1.1 Initial Settings
  Create or re-arrange an Alarm button.

Table 4: Error Indications List (Priority order)

Indications	Description	Priority	Others
ERR CLCK IC	Calendar IC failure	1	✳
ERR DC DOWN	DC power down	1	✳
B/S FAN FLT!	Basic shelf fan alarm	1	✳

Table 4: Error Indications List (Priority order)

Indications	Description	Priority	Others
`E/S1 FAN FLT!`	Expansion shelf 1 fan alarm	1	�671
`E/S2 FAN FLT!`	Expansion shelf 2 fan alarm	1	�671
`ERR mm     HD WDT`	Hard WDT overflow	1	
`ERR mm     ILL INT`	Illegal interrupt	1	
`B/S OVER HEAT!`	Basic shelf heat alarm	1	�671
`E/S1 OVER HEAT!`	Expansion shelf 1 heat alarm	1	�671
`E/S2 OVER HEAT!`	Expansion shelf 2 heat alarm	1	�671
`ERR mm     SF WDT`	Soft WDT overflow	1	
`ERR        TSW DWN`	TSW clock down	1	�671
`ERR        AC DOWN`	AC power down	2	�671
`ERR        BAT ALM`	CPU RAM battery alarm	2	�671
`ERR xyy    CHK SUM`	LPR memory checksum error	2	
`ERR xyy    CRD ERR`	Option Card failure	2	
`ERR xyy    DISCNCT`	Card disconnect	2	�671
`ERR xyy    DTR AIS`	Digital trunk AIS reception	2	
`ERR xyy    DTR FRM`	Digital trunk frame failure	2	
`ERR xyy    DTR RAI`	Digital trunk RAI reception	2	
`ERR xyy    DTR SYC`	Digital trunk out of synchronization	2	
`ERR xyy    ECHO`	Echo back error	2	
`ERR xyy    LPR RAM`	Option Card RAM failure	2	
`ERR xyy    LPR ROM`	Option Card ROM failure	2	
`ERR xyye   MODEM`	Modem failure	2	
`ERR xyy    OGM CPU`	DISA OGM CPU runaway	2	
`ERR xyy    OGM LOS`	DISA OGM is lost	2	
`ERR xyyzz  OGM NG`	DISA OGM ROM RAM failure	2	
`ERR xyy    OPX POW`	OPX power failure	2	
`ERR xyy    RUNAWAY`	LPR runaway	2	
`ERR        SMDR`	Printer is not connected	2	�671

[Legend]
    e: Error Number
    mm: Error Sub-number (00-07)
    x: Shelf Number (1-3)

yy: Slot Number (01-14)
zz: Port Number (01-16)

    ✳   When this problem is solved, the LED indicator(s) on the main unit (Top Shelf/ Card) will be turned off. However, the Alarm indicator on the PT will not be turned off.

Section 4

Customising Your Phone & System

This chapter shows you how to customise your individual telephone or system according to your needs. Find the desired setting and program as necessary.

4.1 Customising Your Phone (Station Programming)

If you use a Panasonic proprietary telephone (e.g. KX-T7436), you can customise your telephone functions. For example, you can change the initial settings or button functions according to your needs.
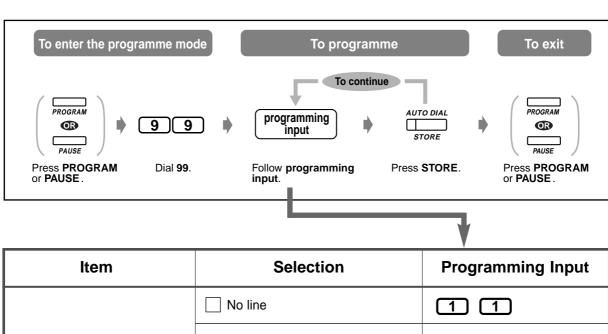
- After moving to a new location in the office, you can use the same extension number and the setting of your previous extension at a new location **(Walking Station)**.

4.1.1 Initial Settings

The original settings are shown in bold letters in the shaded boxes. Find and mark your desired selections for programming.
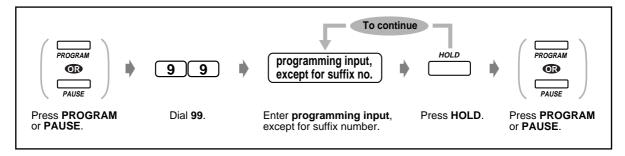
- • If nothing is entered within one minute in the programming mode, the mode returns to the normal status.
- • To exit the mode at any time, lift the handset.

To enter the programme mode	To programme	To exit

To continue

PROGRAM **OR** PAUSE → **9** **9** → programming input → AUTO DIAL STORE → PROGRAM **OR** PAUSE

| Press **PROGRAM** or **PAUSE**. | Dial **99**. | Follow **programming input**. | Press **STORE**. | Press **PROGRAM** or **PAUSE**. |
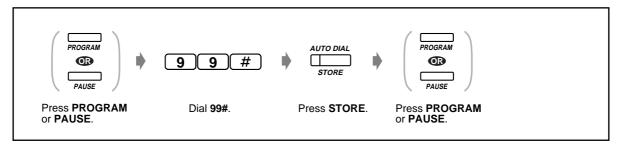
Item	Selection	Programming Input
Which line do you prefer to seize when you go off-hook to make calls? **(Preferred Line Assignment – Outgoing)**	☐ No line	**1** **1**
	☐ An idle outside line	**1** **2**
	☐ A pre-assigned outside line	**1** **3** (PDN) **OR** (PDN) **OR** (GCO) **OR** (LCO)
	☐ **The Intercom line**	**1** **3** INTERCOM

Item	*Selection*	*Programming Input*
Which line do you prefer to seize when you go off-hook to receive calls? **(Preferred Line Assignment – Incoming)**	☐ No line	2 1
	☐ **A ringing line**	2 2
	☐ A pre-assigned outside line	2 3 INTERCOM OR (PDN) OR (SCO) OR (GCO) OR (LCO)
Which way do you prefer to dial the One-Touch Dialling feature? **(Full One-Touch Dialling Assignment)**	☐ Going Off-hook and then pressing the One-T	3 1
	☐ **Pressing the One-Touch Dialling button directly.**	3 2
Which way do you prefer to receive an intercom call? **(Intercom Alert Assignment)**	☐ *Ringing*	4 1
	☐ Directly – the party's voice is heard without ringing.	4 2
Do you prefer to distinguish the Call Waiting tone from an outside line and an intercom call? **(Call Waiting Tone Type Selection)**	☐ *No. Use the same tone.*	5 1
	☐ Yes. Use a different tone.	5 2
Which display do you prefer when a call is received? **(Initial Display Selection)**	☐ *Caller ID*	8 1 1
	☐ Outside line name	8 1 2
Which language display do you prefer? **(Bilingual Display Selection)**	☐ *English*	8 2 1
	☐ French	8 2 2
Which equipment will you use as a receiver? **(Handset/Headset Selection)**	☐ *Handset*	9 1
	☐ Headset	9 2
Which voice mail service do you prefer when a caller is recording a message in your mailbox? **(Live Call Screening Mode Set)**	☐ *You can monitor the message through the telephone speaker. (Hands-free mode)*	7 1
	☐ Only an alert tone is heard. (Private mode)	7 2
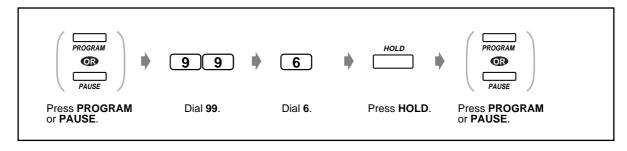
◆ *To confirm the current setting*

PROGRAM OR PAUSE	→	9 9	→	programming input, except for suffix no.	→	HOLD	→	PROGRAM OR PAUSE
Press **PROGRAM** or **PAUSE**.		Dial **99**.		Enter **programming input**, except for suffix number.		Press **HOLD**.		Press **PROGRAM** or **PAUSE**.

To continue

◆ *To clear all settings*

PROGRAM OR PAUSE	→	9 9 #	→	AUTO DIAL STORE	→	PROGRAM OR PAUSE
Press **PROGRAM** or **PAUSE**.		Dial **99#**.		Press **STORE**.		Press **PROGRAM** or **PAUSE**.

◆ *To confirm your own extension number*

PROGRAM OR PAUSE	→	9 9	→	6	→	HOLD	→	PROGRAM OR PAUSE
Press **PROGRAM** or **PAUSE**.		Dial **99**.		Dial **6**.		Press **HOLD**.		Press **PROGRAM** or **PAUSE**.

4.1.2 Customising the Buttons

You can change the flexible CO buttons, DSS buttons and programmable function (PF) buttons to the following function buttons. For example, if your telephone has more CO buttons than available CO lines, you may change an unused CO button to a One-Touch dialling button.

To enter the programme mode	To programme	To exit

To continue

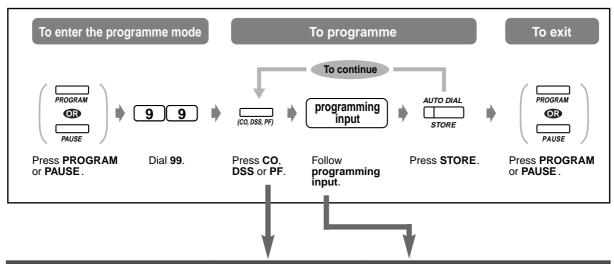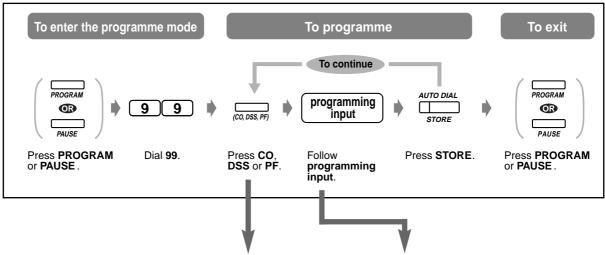| PROGRAM OR PAUSE	9 9	(CO, DSS, PF)	programming input	AUTO DIAL / STORE	PROGRAM OR PAUSE
Press **PROGRAM** or **PAUSE**.	Dial **99**.	Press **CO**, **DSS** or **PF**.	Follow **programming input**.	Press **STORE**.	Press **PROGRAM** or **PAUSE**.

Button	Programmable Button			Programming Input
	CO	DSS	PF	
Loop-CO	✔			$\times$
Group-CO	✔	✔[*1]		# **Trunk group no.** (01–48)
Single-CO	✔	✔[*1]		0 **Trunk port physical no.** (5 digits)
Direct Station Selection (DSS)	✔	✔		1 **Extension no.**
One-Touch Dialling	✔	✔	✔	2 **Desired no.**[*2] (max. 24 digits)
MESSAGE	✔	✔		3
FWD/DND (Forward/Do Not Disturb)	✔	✔	✔	4
SAVE	✔	✔	✔	5
Account	✔	✔	✔	6
CONF (Conference)	✔	✔	✔	7 0
Log-In/Log-Out	✔			7 1
Phantom Extension	✔			7 2 **Phantom extension no.**
Day/Night	✔			7 3
Primary Directory Number (PDN)	✔			7 4
Secondary Directory Number (SDN)	✔			7 5 **Owner extension no.**
Alarm	✔			7 7

To enter the programme mode	To programme	To exit

To continue

PROGRAM **OR** PAUSE → **9 9** → (CO, DSS, PF) → **programming input** → AUTO DIAL / STORE → PROGRAM **OR** PAUSE

Press **PROGRAM** or **PAUSE**.	Dial **99**.	Press **CO**, **DSS** or **PF**.	Follow **programming input**.	Press **STORE**.	Press **PROGRAM** or **PAUSE**.

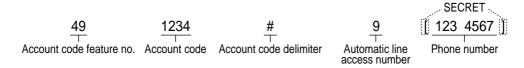| Button	Programmable Button			Programming Input
	CO	DSS	PF	
Tone Through	✔	✔		7 8
Voice Mail Transfer*[3]	✔	✔	✔	8 Voice mail extension no.
Two-Way Record*[3]	✔	✔		9 0 Voice mail extension no.
Two-Way Transfer*[3]	✔	✔		9 1 Voice mail extension no.
Live Call Screening*[3]	✔	✔		9 2
Live Call Screening Cancel*[3]	✔	✔		9 3
Answer	✔	✔	✔	9 4
Release	✔	✔	✔	9 5
ISDN Service (SS)	✔	✔	✔	9 6 Service no.

- • *1 Available for monitoring the call activity only.
- • *2 "✳", "#", FLASH, PAUSE, SECRET (INTERCOM) and — (CONF) can also be stored. KX-T7220 and KX-T7250 telephone users can use the PROGRAM button instead of the PAUSE button.

  If you do not want to display the stored number, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.

  If you store an external party's number, you should first store a line access number (9, 801 - 848).
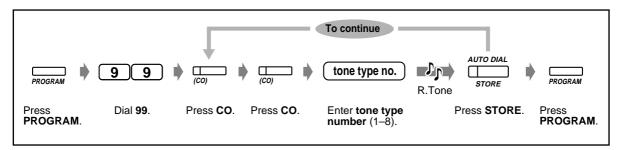
  If you need to enter an account code, you can enter the specified account code before the line access number.
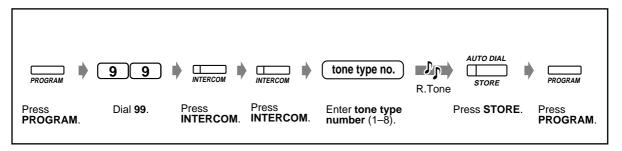
  <Example>

SECRET

49	1234	#	9	[123 4567]
Account code feature no.	Account code	Account code delimiter	Automatic line access number	Phone number

- • *3 These buttons are used for the voice mail integration feature.
- • **To exit the mode at any time,** lift the handset.
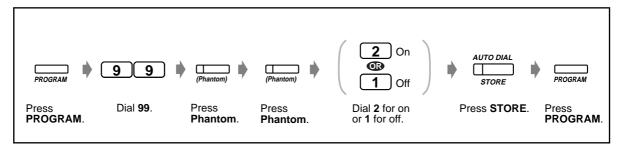
◆ To distinguish the ringing tones for each CO button (Digital proprietary telephone only)
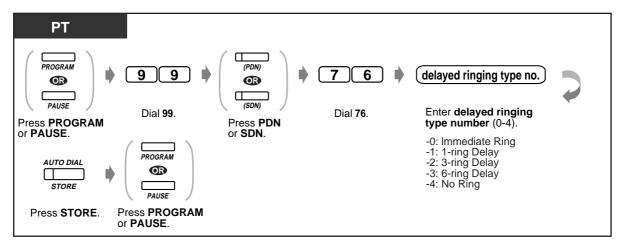

◆ To change the ringing tone for intercom calls (Digital proprietary telephone only)
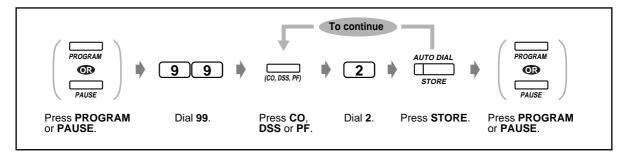
◆ *To set a phantom extension ringing or not (Digital proprietary telephone only)*

PROGRAM	→	9 9	→	(Phantom)	→	(Phantom)	→	2 On OR 1 Off	→	AUTO DIAL STORE	→	PROGRAM
Press PROGRAM.		Dial 99.		Press Phantom.		Press Phantom.		Dial 2 for on or 1 for off.		Press STORE.		Press PROGRAM.
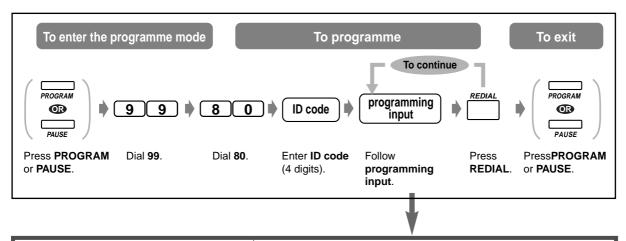
◆ *To delay the ringing start timing of PDN / SDN buttons (DN type PT only)*

PT

PROGRAM OR PAUSE → 9 9 → (PDN) OR (SDN) → 7 6 → delayed ringing type no. ↴

Press PROGRAM or PAUSE.

Dial 99.

Press PDN or SDN.

Dial 76.

Enter **delayed ringing type number** (0-4).

-0: Immediate Ring
-1: 1-ring Delay
-2: 3-ring Delay
-3: 6-ring Delay
-4: No Ring

AUTO DIAL STORE → PROGRAM OR PAUSE

Press STORE.

Press PROGRAM or PAUSE.

◆ *To clear the button data*

To continue

PROGRAM OR PAUSE → 9 9 → (CO, DSS, PF) → 2 → AUTO DIAL STORE → PROGRAM OR PAUSE

Press PROGRAM or PAUSE.

Dial 99.

Press CO, DSS or PF.

Dial 2.

Press STORE.

Press PROGRAM or PAUSE.

4.2 Charge Fee Management (Station Programming)

To enter the programme mode	To programme	To exit

To continue

PROGRAM **OR** PAUSE → 9 9 → 8 0 → ID code → programming input → REDIAL → PROGRAM **OR** PAUSE

Press **PROGRAM** or **PAUSE**.   Dial **99**.   Dial **80**.   Enter **ID code** (4 digits).   Follow **programming input**.   Press **REDIAL**.   Press **PROGRAM** or **PAUSE**.

Item	Programming Input
Checking each extension charge.	**1** **Extension no.** SEL
Clearing each extension charge.	**1** **Extension no.** CLR AUTO DIAL STORE
Checking each outside line charge.	**2** **Trunk port physical no.** (5 disits) SEL
Checking the total charge.	**3** SEL
Checking each account code charge.	**4** **Location no.** (0001–1000) SEL
Clearing each account code charge.	**4** **Location no.** (0001–1000) CLR AUTO DIAL STORE
Setting a New Rate	**5** **New rate.** (1-8 digits) AUTO DIAL STORE
Clearing all outside line and account code charge.	**6** CLR [Displays the last clearing date and time.] AUTO DIAL STORE
Clearing all extension charges.	**6** NEXT CLR [Displays the last clearing date and time.] AUTO DIAL STORE
Printing the total telephone charge (each outside line and account code), all extension charges or each extension charge by SMDR.	**7** **1** total telephone charge **7** **2** all extension charges **7** **3** **Extension no.** each extension charge
Assigning an account code.	**8** **Location no.** (0001-1000) CLR **New account code** (10 digits) AUTO DIAL STORE
Setting a Charge Limit	**9** **Extension no.** CLR AUTO DIAL STORE **Charge limit value.** (1-8 digits) AUTO DIAL STORE

4.3   Customising Your System (System Programming)

You can customise your system according to your application. You can control telephone conditions for each extension, extension group, Class of Service, etc.. For example, you can restrict some extensions from calling external parties. Furthermore, the programmed data, such as system speed dialling, can be used by all extensions.

Your system already has default settings (factory installed). Most of the programming is done by your dealer. Consult your dealer about system applications and re-programming according to your needs. Only frequently changed programming items (User Programming) are shown in this manual. If you would like to change the following features, extensions which meet certain conditions can re-program them at any time.

The available programming is shown below. (Programme number)

- The date and time (000)
- System speed dialling numbers and names (001/002)
- Extension name (004)

Required Telephone

A Panasonic Proprietary Telephone with display (e.g. KX-T7433, KX-T7436)

User Password

To enter the programming mode, a user password (4-7digits) is required. It should be programmed by System Programming beforehand. Check Pre-programmed your password (Default:1234).

Conditions

Only one extension, which is on-hook and holding no calls, is available at one time. If another extension is programming, "`Another Use`" is displayed.

List

Before programming, decide your selections and write them down in the list for each programming item. These are useful for easy programming and future reference. Your dealer also has programming tables which contain all of the assignments. You may ask for photo copies of these tables to be aware of the features /conditions available.

Overlay / Button Function

The overlay is a paper sheet which is included with the telephone. In the programming mode, the button functions are different. The overlay shows the functions in the programming mode. Place the overlay on the telephone properly.
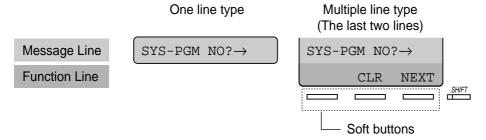
If your telephone display shows the necessary functions, the overlay may be not required.

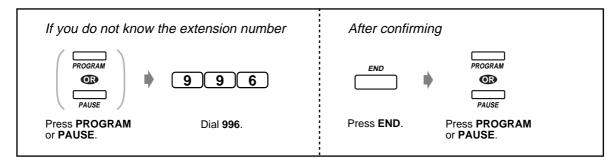KX-T7436 with the overlay

Display

The display gives you useful messages about programming. The multiple-line display also shows the available functions. Follow the message at each step. This is a display sample in the initial programming mode.

One line type

Multiple line type
(The last two lines)

Message Line

SYS-PGM NO?→

SYS-PGM NO?→

Function Line

CLR   NEXT

SHIFT

Soft buttons

The message line guides you through programming and lets you confirm your selection. The display shows up to 16 characters at a time. To scroll the display, press → or ←. The function line shows you the function of the Soft button located below it. When the SHIFT button light beside the display is on, subtitles are available. Press the SHIFT button to confirm the available functions.

Extension Number

If you do not know the extension no., confirm it as shown below.

If you do not know the extension number	*After confirming*
PROGRAM **OR** PAUSE ➡ 9 9 6	END ➡ PROGRAM **OR** PAUSE
Press **PROGRAM** or **PAUSE**. Dial **996**.	Press **END**. Press **PROGRAM** or **PAUSE**.

Confirmation

To confirm your entry after storing data;

- The STORE button light: Lights red.
- Confirmation Tone:
   — One beep: Your entry is accepted.
   — Three beeps: Your entry is rejected.

◆◆ *Icon Descriptions*

Icons are given to guide you through programming. The following is an example of how the icons may be used:

X X X   Enter the programme number. (xxx= the specified number)

▮▮▮▮   Press the corresponding button on the telephone or the Soft button which corresponds to the display.

<Example>

(**NEXT**) : "NEXT" is displayed.

In this case, both of the following methods are available:

- Press the NEXT (◻) button.
- Press the Soft button which corresponds to "NEXT" shown on the display.

NEXT

The display messages "SEL+, SEL- and SEL" mean "SELECT".
"CLR" means "CLEAR".

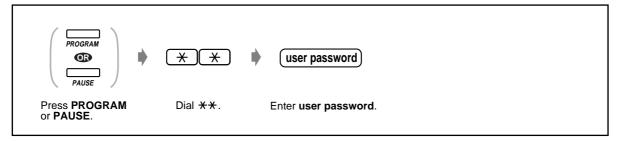▮▮▮▮   Press the button until the desired entry appears.

▮▮▮▮   Enter your selection.

<Example>

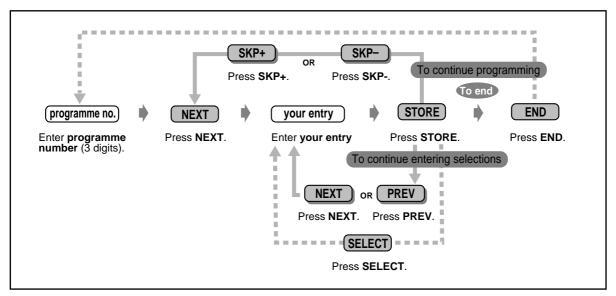(**extension no.**) : "Extension no." is displayed.
Enter the extension number.

◆◆ *Procedure*

The basic steps are shown below.

1. Entering the programming mode

PROGRAM
OR
PAUSE

➡ ✳ ✳ ➡ user password

Press **PROGRAM** or **PAUSE**.
Dial ✳✳.
Enter **user password**.

2. Programming

SKP+ **OR** SKP–

Press **SKP+**.
Press **SKP-**.

To continue programming

To end

programme no. ➡ NEXT ➡ your entry ➡ STORE ➡ END

Enter **programme number** (3 digits).
Press **NEXT**.
Enter **your entry**
Press **STORE**.
Press **END**.

To continue entering selections

NEXT **OR** PREV

Press **NEXT**.
Press **PREV**.

SELECT

Press **SELECT**.

→ To go to the next/previous programme or entry.

∎∎∎▶ To enter the desired programme or entry.
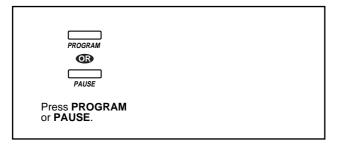
- **To delete or change an entry,** press CLEAR (TRANSFER).
- **To confirm your entry after storing data:**
  — The STORE button light: Lights red.
  — Confirmation Tone:
   One beep: Your entry is accepted.
   Three beeps: Your entry is rejected.
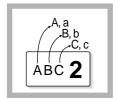- **To exit the programming mode at any time**, lift the handset.

3. **Exiting the mode**

PROGRAM

OR

PAUSE

Press **PROGRAM**
or **PAUSE**.

◆ *Character Entry*

When storing a name or message, enter the characters as follows. The tables below and on the next page show you the characters available for each key. You can enter letters by pressing the alphanumeric keys on your telephone.
Example: Key 2 can enter A, a, B, b, C or c.

A, a
B, b
C, c
A B C **2**

Entering characters

- Press the desired character key.
- Press the matching Soft button, press the SELECT (AUTO ANSWER) button or rotate the Jog Dial as needed.
- Repeat the appropriate steps for the remaining characters.

- **To erase the last letter,** press the ← (CONF) button.
- **To erase all letters,** press the CLEAR (TRANSFER) button.
- **To alternate between capital and lower case letters,** press the SHIFT button. Once this button is pressed, the mode remains until the SHIFT button is pressed again.

Combination Table 1

Rotating Jog Dial (Pulses) / keys	0	1	2	3	4	5	6	7	8
1	1	Q	q	R	r	S	s	T	t
2	2	A	a	B	b	C	c	D	d
3	3	D	d	E	e	F	f	G	g
4	4	G	g	H	h	I	i	J	j
5	5	J	j	K	k	L	l	M	m
6	6	M	m	N	n	O	o	P	p
7	7	P	p	Q	q	R	r	S	s
8	8	T	t	U	u	V	v	W	w
9	9	W	w	X	x	Y	y	Z	z
0	0		!	?	.	,	'	:	;
✳	*	/	+	-	=	<	>	#	$
#	#	$	%	&	@	(	)	A	a

Combination Table 2

Soft button		S1		S2		S3	
SELECT button pressing times / keys	0	1	2	3	4	5	6
1	1	Q	q	Z	z	!	?
2	2	A	a	B	b	C	c
3	3	D	d	E	e	F	f
4	4	G	g	H	h	I	i
5	5	J	j	K	k	L	l
6	6	M	m	N	n	O	o
7	7	P	p	R	r	S	s
8	8	T	t	U	u	V	v
9	9	W	w	X	x	Y	y
0	0		.	,	'	:	;
✳	*	/	+	-	=	<	>
#	#	$	%	&	@	(	)
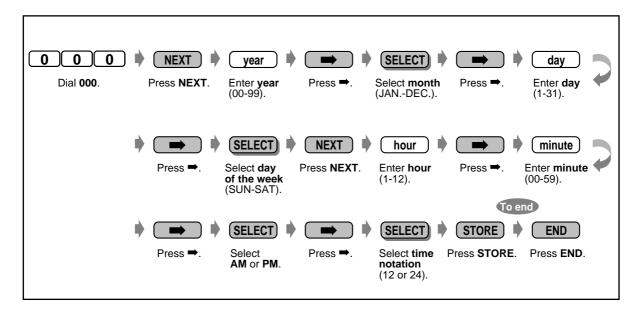
<Example> To enter "Ann",

A	**n**	**n**
– Using the Jog Dial		
2 ⊙ until "A" is displayed.	**6** ⊙ until "n" is displayed.	**6** ⊙ until "n" is displayed.
– Using a soft button.		
2 A B C	**6** *SHIFT* m n o	**6** m n o
– Using the SELECTbutton.		
2 SELECT	**6** SELECT SELECT SELECT SELECT	**6** SELECT SELECT SELECT SELECT

4.3.1 Date and Time Set (000)

After setting the current date and time, the proprietary telephone displays the current date and time while on-hook.

Default : '99 Jan. 1 FRI 12:00AM 12-hour clock time
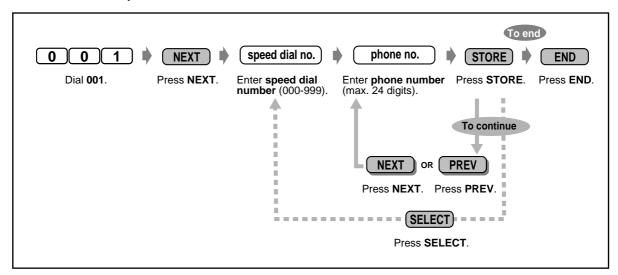

- **After changing the desired entries,** you can press the STORE button. You do not have to perform the rest of the steps.
- The clock starts immediately after the STORE button is pressed.
- You cannot leave an entry empty.

4.3.2 System Speed Dialling Number Set (001)

You can store the phone numbers of up to 1000 frequently dialled numbers.

Default : No entry

- The programming list is on "Programming List for 001/002" in 4.3.3 System Speed Dialling Name Set (002). The directory is on "System Speed Dilling " in 5.3 Directory.

- If the desired number is more than 24 digits, divide the number and store it into two or more speed dial numbers.

- "✳", "#", FLASH, PAUSE, SECRET (INTERCOM) and — (CONF) can also be stored.
  — If you do not want to display the stored number, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.
  — If you store an external party's number, you should first store a line access number (9, 801 to 848).
  — If you need to enter an account code, you can enter the specified account code before the
    line access number.

<Example>

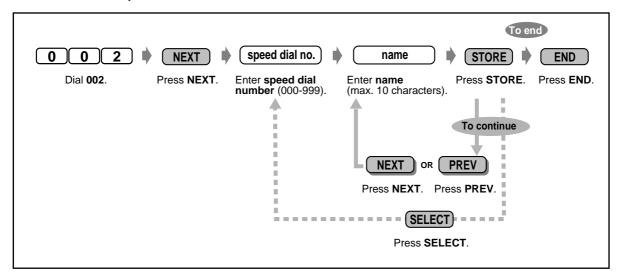| 49	1234	#	9	SECRET
				1 201 123 4567
Account code feature no.	Account code	Account code delimiter	Automatic Line access number	Phone number

4.3.3   System Speed Dialling Name Set (002)

You can store the corresponding name of the speed dialling number. These names are displayed when making call with the display operation. (See 2.10.4   Using the KX-T7433, KX-T7436 or KX-T7235)

see "Entering characters" in 4.3   Customising Your System (System Programming).

Default : No entry

• The programming list is on "Programming List for 001/002" in 4.3.3   System Speed Dialling Name Set (002). The directory is on " System Speed Dialling " in 5.3   Directory.

Programming List for 001/002

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
000			046		
001			047		
002			048		
003			049		
004			050		
005			051		
006			052		
007			053		
008			054		
009			055		
010			056		
011			057		
012			058		
013			059		
014			060		
015			061		
016			062		
017			063		
018			064		
019			065		
020			066		
021			067		
022			068		
023			069		
024			070		
025			071		
026			072		
027			073		
028			074		
029			075		
030			076		
031			077		
032			078		
033			079		
034			080		
035			081		
036			082		
037			083		
038			084		
039			085		
040			086		
041			087		
042			088		
043			089		
044			090		
045			091		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
092			138		
093			139		
094			140		
095			141		
096			142		
097			143		
098			144		
099			145		
100			146		
101			147		
102			148		
103			149		
104			150		
105			151		
106			152		
107			153		
108			154		
109			155		
110			156		
111			157		
112			158		
113			159		
114			160		
115			161		
116			162		
117			163		
118			164		
119			165		
120			166		
121			167		
122			168		
123			169		
124			170		
125			171		
126			172		
127			173		
128			174		
129			175		
130			176		
131			177		
132			178		
133			179		
134			180		
135			181		
136			182		
137			183		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
184			230		
185			231		
186			232		
187			233		
188			234		
189			235		
190			236		
191			237		
192			238		
193			239		
194			240		
195			241		
196			242		
197			243		
198			244		
199			245		
200			246		
201			247		
202			248		
203			249		
204			250		
205			251		
206			252		
207			253		
208			254		
209			255		
210			256		
211			257		
212			258		
213			259		
214			260		
215			261		
216			262		
217			263		
218			264		
219			265		
220			266		
221			267		
222			268		
223			269		
224			270		
225			271		
226			272		
227			273		
228			274		
229			275		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
276			322		
277			323		
278			324		
279			325		
280			326		
281			327		
282			328		
283			329		
284			330		
285			331		
286			332		
287			333		
288			334		
289			335		
290			336		
291			337		
292			338		
293			339		
294			340		
295			341		
296			342		
297			343		
298			344		
299			345		
300			346		
301			347		
302			348		
303			349		
304			350		
305			351		
306			352		
307			353		
308			354		
309			355		
310			356		
311			357		
312			358		
313			359		
314			360		
315			361		
316			362		
317			363		
318			364		
319			365		
320			366		
321			367		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
368			414		
369			415		
370			416		
371			417		
372			418		
373			419		
374			420		
375			421		
376			422		
377			423		
378			424		
379			425		
380			426		
381			427		
382			428		
383			429		
384			430		
385			431		
386			432		
387			433		
388			434		
389			435		
390			436		
391			437		
392			438		
393			439		
394			440		
395			441		
396			442		
397			443		
398			444		
399			445		
400			446		
401			447		
402			448		
403			449		
404			450		
405			451		
406			452		
407			453		
408			454		
409			455		
410			456		
411			457		
412			458		
413			459		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
460			506		
461			507		
462			508		
463			509		
464			510		
465			511		
466			512		
467			513		
468			514		
469			515		
470			516		
471			517		
472			518		
473			519		
474			520		
475			521		
476			522		
477			523		
478			524		
479			525		
480			526		
481			527		
482			528		
483			529		
484			530		
485			531		
486			532		
487			533		
488			534		
489			535		
490			536		
491			537		
492			538		
493			539		
494			540		
495			541		
496			542		
497			543		
498			544		
499			545		
500			546		
501			547		
502			548		
503			549		
504			550		
505			551		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
552			598		
553			599		
554			600		
555			601		
556			602		
557			603		
558			604		
559			605		
560			606		
561			607		
562			608		
563			609		
564			610		
565			611		
566			612		
567			613		
568			614		
569			615		
570			616		
571			617		
572			618		
573			619		
574			620		
575			621		
576			622		
577			623		
578			624		
579			625		
580			626		
581			627		
582			628		
583			629		
584			630		
585			631		
586			632		
587			633		
588			634		
589			635		
590			636		
591			637		
592			638		
593			639		
594			640		
595			641		
596			642		
597			643		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
644			690		
645			691		
646			692		
647			693		
648			694		
649			695		
650			696		
651			697		
652			698		
653			699		
654			700		
655			701		
656			702		
657			703		
658			704		
659			705		
660			706		
661			707		
662			708		
663			709		
664			710		
665			711		
666			712		
667			713		
668			714		
669			715		
670			716		
671			717		
672			718		
673			719		
674			720		
675			721		
676			722		
677			723		
678			724		
679			725		
680			726		
681			727		
682			728		
683			729		
684			730		
385			731		
686			732		
687			733		
688			734		
689			735		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
736			782		
737			783		
738			784		
739			785		
740			786		
741			787		
742			788		
743			789		
744			790		
745			791		
746			792		
747			793		
748			794		
749			795		
750			796		
751			797		
752			798		
753			799		
754			800		
755			801		
756			802		
757			803		
758			804		
759			805		
760			806		
761			807		
762			808		
763			809		
764			810		
765			811		
766			812		
767			813		
768			814		
769			815		
770			816		
771			817		
772			818		
773			819		
774			820		
775			821		
776			822		
777			823		
778			824		
779			825		
780			826		
781			827		
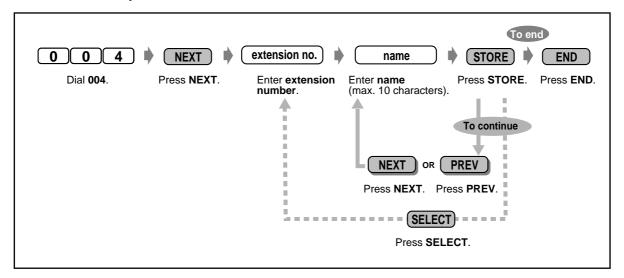
Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
828			874		
829			875		
830			876		
831			877		
832			878		
833			879		
834			880		
835			881		
836			882		
837			883		
838			884		
839			885		
840			886		
841			887		
842			888		
843			889		
844			890		
845			891		
846			892		
847			893		
848			894		
849			895		
850			896		
851			897		
852			898		
853			899		
854			900		
855			901		
856			902		
857			903		
858			904		
859			905		
860			906		
861			907		
862			908		
863			909		
864			910		
865			911		
866			912		
867			913		
868			914		
869			915		
870			916		
871			917		
872			918		
873			919		

Speed dial no.	Name	Phone no.	Speed dial no.	Name	Phone no.
920			966		
921			967		
922			968		
923			969		
924			970		
925			971		
926			972		
927			973		
928			974		
929			975		
930			976		
931			977		
932			978		
933			979		
934			980		
935			981		
936			982		
937			983		
938			984		
939			985		
940			986		
941			987		
942			988		
943			989		
944			990		
945			991		
946			992		
947			993		
948			994		
949			995		
950			996		
951			997		
952			998		
953			999		
954					
955					
956					
957					
958					
959					
960					
961					
962					
963					
964					
965					

4.3.4   Extension Name Set (004)

You can assign the name for each extension individually. This is useful if you want to know who is calling, or who you are calling when making an intercom call using the directory.
see "Entering characters" in 4.3   Customising Your System (System Programming).

Default : No entry

Programming List for 004

Extension no.	Name	Extension no.	Name

Extension no.	Name	Extension no.	Name

- The directory is on "Extension" in 5.3 Directory.

Section 5

Appendix

This chapter provides the Troubleshooting, Feature Number List, Directory, Tone List, Specifications and the Quick Reference Card for a Single Line Telephone. Check the Troubleshooting before consulting your dealer.

5.1 Troubleshooting

Table 5

Problem	Remedy
The telephone does not work properly.	• The wiring is wrong. ➡ Check the wiring.
I cannot use the telephone.	• The telephone is locked. ➡ Unlock your telephone. (☞ "To lock" in 2.5.4 Preventing Other People from Using Your Telephone (Electronic Station Lockout), 3.1.4 Changing the Settings (Station Programming)) • Your telephone is connected to an eXtra Device Port. ➡ System programming is required. Consult your dealer.
Some features do not work.	• System management may restrict certain features. ➡ Consult your System Manager. • The feature numbers have changed. ➡ Confirm the revised number and try again.
Even though following the manual instructions, none of the operations work when using a proprietary telephone.	• The Intercom line was not seized. The seized line, when going off-hook, was changed by personal setting. (☞ 4.1.1 Initial Settings) ➡ In the manual, going off-hook means an Intercom line is seized. If the setting has been changed, press the INTERCOM/ PDN button after going off-hook and follow the instructions.
The parallelled single line telephones do not ring.	• This is the default setting. ➡ Change the setting to ring. (☞ 2.7.13 Setting the Parallel Connected Telephone Ringer (Parallelled Telephone Connection))
The telephone does not work using the personal settings or with other settings. (One-touch dialling, forwarding destination, etc.)	• The extension line has been changed. The previous telephone's settings have not be cleared. ➡ Clear the settings and then programme your desired settings again. (☞ 2.7.14 Clearing the Feature Settings at Your Extension (Station programme Clear), "To clear all settings" in 4.1.1 Initial Settings, "To clear the button data in 4.1.2 Customising the Buttons)
My proprietary telephone does not have a function button.	• Some models do not have the function button. ➡ Change a flexible button to the desired button. (☞ 4.1.2 Customising the Buttons) ➡ Enter the specified feature number instead of the function button. (☞ "Feature Numbers" in 2.1 Before Operating the Telephones)

Table 5

Problem	Remedy
I cannot make an outside call.	• The telephone is locked. ➡ Unlock your telephone. (☞ 2.5.4 Preventing Other People from Using Your Telephone (Electronic Station Lockout), 3.1.4 Changing the Settings (Station Programming)) • Toll restriction is activated. ➡ Consult your manager or dealer. • An account code is required. (☞ 2.2.5 Calling without Restrictions) • Another PBX is connected to your system. ➡ A host PBX access code is required. (☞ 2.8.2 If a Host PBX is Connected) • Nothing was dialled within 10 seconds after going off-hook. ➡ Hang up, off-hook and re-dial again.
A reorder tone is audible or "Restricted" is displayed.	• The telephone is locked. ➡ Unlock your telephone. (☞ 2.5.4 Preventing Other People from Using Your Telephone (Electronic Station Lockout), 3.1.4 Changing the Settings (Station Programming)) • Toll restriction is activated. ➡ Consult your manager or dealer. • An account code is required. (☞ 2.2.5 Calling without Restrictions)
I cannot make an outside call using the One-Touch Dialling button or speed dialling.	• A line access number was not stored. ➡ A line access number is required for outside calls. (☞ 2.2.2 Easy Dialling, "Storing the names and numbers for station speed dialling" in 2.10.4 Using the KX-T7433, KX-T7436 or KX-T7235, 4.1.2 Customising the Buttons)
I cannot remember the feature numbers.	➡ Ask your dealer to change the feature numbers for easier use. ➡ Store the feature numbers into the One-Touch Dialling buttons. (☞ 4.1.2 Customising the Buttons)
While talking to an outside party, the line is disconnected.	• The time limit has expired. (☞ "Transferring a call to an external party" in 2.4.3 Transferring a Call, "Leaving a conference " in 2.4.5 Three-party Conversation, 2.4.3 Transferring a Call) ➡ Consult your dealer to extend the time, if necessary.
Redialling does not function.	• The stored number is more than 24 digits or an extension number. (☞ 2.2.3 Redial)
I cannot mute the conversation.	• You are using the handset. (☞ 2.4.6 Mute)

Table 5

Problem	Remedy
I cannot access computer services, banking-by-phone, etc.	• A tone signal is required. (☞ "Changing the dialling mode (Pulse to Tone Conversion)" in 2.2.5 Calling without Restrictions)
The personal computer and facsimile communication failed.	• An indication tone may have interrupted communication. (☞ 2.7.11 Protecting Your Line against Indication Tones (Data Line Security))
I cannot send a call waiting tone to the dialled extension.	• The other party has not set the Call Waiting feature. (☞ "Sending a call waiting tone (Busy Station Signalling [BSS]) in 2.2.4 When the Dialled Line is Busy or There is No Answer, 2.7.3 Receiving a Call Waiting (Call Waiting / Off-Hook Call Announcement [OHCA] / Whisper OHCA)) • The other party has set Data Line Security. (☞ 2.7.11 Protecting Your Line against Indication Tones (Data Line Security))
I forgot the lock code / Live Call Screening Password.	➡ Ask the Manager or an Operator to assist you. (☞ 3.1.4 Changing the Settings (Station Programming))
The background music started suddenly.	➡ Turn off the music. (☞ 2.7.10 Turning on the Background Music, 3.2.2 Turning on the External Background Music (Background Music [BGM] - External))
I do not want to display a number which is stored in memory.	➡ Conceal the number. (☞ "Storing the names and numbers for station speed dialling" in 2.10.4 Using the KX-T7433, KX-T7436 or KX-T7235)
The display does not show the message described in the manual.	• The telephone is not a Panasonic proprietary telephone. ➡ This manual shows messages which appear only on Panasonic proprietary telephones (e.g. KX-T7436). (☞ "Display" in 2.1 Before Operating the Telephones)
I want to confirm my extension number and extension port physical number.	(☞ "To confirm your own extension number" in 4.3 Customising Your System (System Programming))
The date and time are not correct.	• Set the date and time by system programming. (☞ 4.3.1 Date and Time Set (000))
The display is abnormal.	• The lithium battery for memory back-up needs to be replaced. ➡ Consult your dealer.
I want to distinguish the tones.	(☞ "To confirm the current setting" in 4.1.1 Initial Settings, "To distinguish the ringing tones for each CO button (Digital proprietary telephone only) in 4.1.2 Customising the Buttons)

Table 5

Problem	Remedy
I hear a warning tone from the telephone.	• The handset was off-hook in an idle status for an extended period of time. ➡ Replace the handset.
The MESSAGE button light lit.	• Another extension left you a message waiting indication during you were on the phone or left your desk.
A Power Failure occurred.	**When a power failure occurs...** The system and Panasonic proprietary telephones stop all functions. Specific extensions are automatically connected straight to specific CO lines. This provides CO line conversations between the pre-assigned extensions and CO lines: ➡ Consult your dealer for detailed information. All intercom calls and features do not function. **When turning the power back on...** Your system restarts with the stored data automatically. Memory is protected by a pre-installed lithium battery. There is no memory loss except for Automatic Callback Busy (Reserving a busy line) and Held calls.

5.2 Feature Numbers List

Numbers listed below are the default settings. There are flexible feature numbers and fixed feature numbers. If the flexible feature numbers are changed, fill in the newly assigned numbers in the list for future reference.

Table 6

Feature	Default	Assigned no.	Additional digits
Calling the operator	0		
Automatic line access number / ARS	9		
Outside line group number	8		01-48
Tie line access number	77		
Calling a pre-set party by going off-hook / cancelling / storing	74		1 / 0 / 2+phone no.+#
Calling using the number stored at your extension Storing the numbers	3✳ 30		0-9 [0-9]+phone no.+#
Calling using the number stored in the system	✳		000-999
Redialling the last phone number you dialled	#		
Reserving a busy line	6	Fixed	
Cancel the reserving of a busy line	46		
Sending a call waiting tone	1	Fixed	
Leaving a message waiting indication / cancelling / calling back / clearing a received indication	70		1+ext. no. / 0+ext. no. / 2 / 0+your ext.no.
Joining an existing call	2	Fixed	
31st incoming call log is stored / disregarded	56		1/0
Picking up a call for someone else - outside call - group - direct	4✳ 40 41		ext. no.
Holding or retrieving a call	50		
Retrieving from another extension - outside call - intercom call	53 51		trunk port physical no. ext. no.
Holding in a system parking zone or retrieving	52		00-99
Paging or transferring and paging - all devices / all extensions /group	32 / 33		✳/ 0 / 01-16
- external speaker	32		1 / 2
Answering a paged announcement or an incoming call through the speaker	42		1 / 2

Table 6

Feature	Default	Assigned no.	Additional digits
Answering the paged annouement through telephones	43		
Receiving or refusing a call waiting tone or voice no tone / tone / OHCA / whisper OHCA	731		0 / 1 / 2 / 3
External feature access	6		

Forwarding your call
  - All calls / Busy / No answer / Busy, No answer
   - to an external party
   - cancel
   - Follow Me/cancel
	710		[2 / 3 / 4 / 5]+ ext. no.
			
			6+phone no.+#
			0
			[7 / 8]+your ext. no.

Preventing others from disturbing you (DND) / cancelling			1 / 0
Showing a message to the caller / cancelling	750		[1-9]+(parameter) / 0
Joining the call receiving group / leaving	45		1 / 0
Conference	3	Fixed	
Calling with account codes	49		code+[# or 99]
Calling using your privileges	47		password+your ext. no.
Temporary tone dialling	⚹#	Fixed	
Dialling a DND extension	1	Fixed	
Setting the alarm / cancelling / viewing	761		1+time+ [0 (AM) / 1 (PM)] + [0 (once) / 1 (daily)] / 0 / 2
Turning on / off the background music	1	Fixed	
Refusing / receiving the indication tones	730		1 / 0
Denying other people the possibility of - seeing your call logs / Allowing - using your telephone / Allowing - picking up your calls / Allowing - paging through the speaker / Allowing - joining your conversation / Allowing	 57 762 720 721 733		 3-digit code twice / stored code 3-digit code twice / stored code 1 / 0 1 / 0 1 / 0
Day / Night service confirmation	#	Fixed	
Switching the display - date&time / extension name & no.	⚹	Fixed	
Parallelled telephones ring / do not ring	39		1 / 0

Table 6

Feature	Default	Assigned no.	Additional digits
Switching the calling method (Ring / Voice)	$\ast$	Fixed	
Cancelling the feature settings	790		
Displaying the number on the called and calling party's phone [CLIP/COLP], outside line / extension	711		1 / 2
Preventing the number being displayed on the called party's phone [CLIR], restrict / present / one-time setting	59		0 / 1 / 2
Preventing the number being displayed on the calling party's phone [COLR], restrict / present	58		1 / 0
Calling the doorphone	31		1-8
Opening the door from a specified phone from any extension while talking	55 5	Fixed	1-8
Setting the Live Call Screening password / cancelling	799		3-digit code twice / stored code
Setting the Walking Station, Start / End	727		1 / 0+source extension no.
Controlling the External Modem	791		[1-5]
Monitoring the number of UCD calls waiting to be answered	725		ext. no. of UCD group / $\ast$
*Setting the alarm / cancelling / viewing	7$\ast$		1+ext. no.+time+ [0 (AM) / 1 (PM)]+ [0 (once) / 1 (daily)] / 0+ext. no. / 2+ext. no.
*Controlling the DND feature on other extensions, set / cancel	722		destination ext. no.
*Calling the extension that has set Call Forwarding	723		destination ext. no.
*Turning on / off the background music	35		
*Switching the Day / Night service - to night / to day	78		1 / 0
*Recording an outgoing message / playing back	36		1 / 2+1-8
*Trunk Busy Out, set / cancel / confirm	726		trunk port physical no.
*Trunk Route Control	724		trunk port physical no.

*Operator / manager only

5.3 Directory

◆◆ *Extension*

Extension no.	Name	Extension no.	Name

Extension no.	Name	Extension no.	Name

◆◆ *System Speed Dialling*

No.	Name	No.	Name	No.	Name
000		047		094	
001		048		095	
002		049		096	
003		050		097	
004		051		098	
005		052		099	
006		053		100	
007		054		101	
008		055		102	
009		056		103	
010		057		104	
011		058		105	
012		059		106	
013		060		107	
014		061		108	
015		062		109	
016		063		110	
017		064		111	
018		065		112	
019		066		113	
020		067		114	
021		068		115	
022		069		116	
023		070		117	
024		071		118	
025		072		119	
026		073		120	
027		074		121	
028		075		122	
029		076		123	
030		077		124	
031		078		125	
032		079		126	
033		080		127	
034		081		128	
035		082		129	
036		083		130	
037		084		131	
038		085		132	
039		086		133	
040		087		134	
041		088		135	
042		089		136	
043		090		137	
044		091		138	
045		092		139	
046		093		140	

No.	Name	No.	Name	No.	Name
141		188		235	
142		189		236	
143		190		237	
144		191		238	
145		192		239	
146		193		240	
147		194		241	
148		195		242	
149		196		243	
150		197		244	
151		198		245	
152		199		246	
153		200		247	
154		201		248	
155		202		249	
156		203		250	
157		204		251	
158		205		252	
159		206		253	
160		207		254	
161		208		255	
162		209		256	
163		210		257	
164		211		258	
165		212		259	
166		213		260	
167		214		261	
168		215		262	
169		216		263	
170		217		264	
171		218		265	
172		219		266	
173		220		267	
174		221		268	
175		222		269	
176		223		270	
177		224		271	
178		225		272	
179		226		273	
180		227		274	
181		228		275	
182		229		276	
183		230		277	
184		231		278	
185		232		279	
186		233		280	
187		234		281	

No.	Name	No.	Name	No.	Name
282		329		376	
283		330		377	
284		331		378	
285		332		379	
286		333		380	
287		334		381	
288		335		382	
289		336		383	
290		337		384	
291		338		385	
292		339		386	
293		340		387	
294		341		388	
295		342		389	
296		343		390	
297		344		391	
298		345		392	
299		346		393	
300		347		394	
301		348		395	
302		349		396	
303		350		397	
304		351		398	
305		352		399	
306		353		400	
307		354		401	
308		355		402	
309		356		403	
310		357		404	
311		358		405	
312		359		406	
313		360		407	
314		361		408	
315		362		409	
316		363		410	
317		364		411	
318		365		412	
319		366		413	
320		367		414	
321		368		415	
322		369		416	
323		370		417	
324		371		418	
325		372		419	
326		373		420	
327		374		421	
328		375		422	

No.	Name	No.	Name	No.	Name
423		470		517	
424		471		518	
425		472		519	
426		473		520	
427		474		521	
428		475		522	
429		476		523	
430		477		524	
431		478		525	
432		479		526	
433		480		527	
434		481		528	
435		482		529	
436		483		530	
437		484		531	
438		485		532	
439		486		533	
440		487		534	
441		488		535	
442		489		536	
443		490		537	
444		491		538	
445		492		539	
446		493		540	
447		494		541	
448		495		542	
449		496		543	
450		497		544	
451		498		545	
452		499		546	
453		500		547	
454		501		548	
455		502		549	
456		503		550	
457		504		551	
458		505		552	
459		506		553	
460		507		554	
461		508		555	
462		509		556	
463		510		557	
464		511		558	
465		512		559	
466		513		560	
467		514		561	
468		515		562	
469		516		563	

No.	Name	No.	Name	No.	Name
564		611		658	
565		612		659	
566		613		660	
567		614		661	
568		615		662	
569		616		663	
570		617		664	
571		618		665	
572		619		666	
573		620		667	
574		621		668	
575		622		669	
576		623		670	
577		624		671	
578		625		672	
579		626		673	
580		627		674	
581		628		675	
582		629		676	
583		630		677	
584		631		678	
585		632		679	
586		633		680	
587		634		681	
588		635		682	
589		636		683	
590		637		684	
591		638		685	
592		639		686	
593		640		687	
594		641		688	
595		642		689	
596		643		690	
597		644		691	
598		645		692	
599		646		693	
600		647		694	
601		648		695	
602		649		696	
603		650		697	
604		651		698	
605		652		699	
606		653		700	
607		654		701	
608		655		702	
609		656		703	
610		657		704	

No.	Name	No.	Name	No.	Name
705		752		799	
706		753		800	
707		754		801	
708		755		802	
709		756		803	
710		757		804	
711		758		805	
712		759		806	
713		760		807	
714		761		808	
715		762		809	
716		763		810	
717		764		811	
718		765		812	
719		766		813	
720		767		814	
721		768		815	
722		769		816	
723		770		817	
724		771		818	
725		772		819	
726		773		820	
727		774		821	
728		775		822	
729		776		823	
730		777		824	
731		778		825	
732		779		826	
733		780		827	
734		781		828	
735		782		829	
736		783		830	
737		784		831	
738		785		832	
739		786		833	
740		787		834	
741		788		835	
742		789		836	
743		790		837	
744		791		838	
745		792		839	
746		793		840	
747		794		841	
748		795		842	
749		796		843	
750		797		844	
751		798		845	

No.	Name	No.	Name	No.	Name
846		893		940	
847		894		941	
848		895		942	
849		896		943	
850		897		944	
851		898		945	
852		899		946	
853		900		947	
854		901		948	
855		902		949	
856		903		950	
857		904		951	
858		905		952	
859		906		953	
860		907		954	
861		908		955	
862		909		956	
863		910		957	
864		911		958	
865		912		959	
866		913		960	
867		914		961	
868		915		962	
869		916		963	
870		917		964	
871		918		965	
872		919		966	
873		920		967	
874		921		968	
875		922		969	
876		923		970	
877		924		971	
878		925		972	
879		926		973	
880		927		974	
881		928		975	
882		929		976	
883		930		977	
884		931		978	
885		932		979	
886		933		980	
887		934		981	
888		935		982	
889		936		983	
890		937		984	
891		938		985	
892		939		986	

No.	Name	No.	Name	No.	Name
987		992		997	
988		993		998	
989		994		999	
990		995			
991		996			

◆◆ *Quick Dialling*

Name	Quick dial no.

◆◆ *Station Speed Dialling*

Name	No.	Name	No.
	0		5
	1		6
	2		7
	3		8
	4		9

5.4   What is This Tone?

◆◆ *While on-hook*
Ring Tones
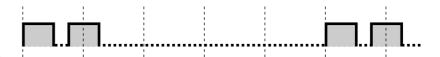
Tone 1
- Incoming call from an external party
- An outside call is held for more than a specified time (default: 60 seconds).

Tone 2
- Incoming call from an extension
- An intercom call is held for more than a specified time (default: 60 seconds).

Tone 3
- Incoming call from a doorphone
- The pre-set alarm time has arrived.

Tone 4
- A reserved outside line or extension became idle.
- A caller is leaving a message in your mailbox (Live Call Screening-Private mode).

◆◆ *When going off-hook*
Dial Tones

Tone 1
Normal (The features stated in Tone 2 through 4 are not set.)

Tone 2

The following features are set.

- Alarm
- Forwarding Calls
- Call Waiting
- Calling a pre-set party by going off-hook
- Turning on the background music
- Showing a message to the caller
- Denying
  — an indication tone
  — an incoming call
- Denying other people the possibility of
  — picking up your calls
  — using your telephone

Tone 3

- The alarm is being answered.
- Enter an account code to turn off the tone.

Tone 4

A call waiting indication was received.

◆◆ *When you make calls*

Busy Tone

1 s
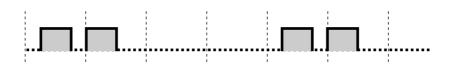
Reorder Tone

- The outside line you tried to seize is not assigned or denied.
- The wrong account code was entered.

Ringback Tone

Do Not Disturb Tone
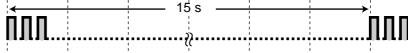
The dialled extension is denying incoming calls.

◆◆ ### *While off-hooking*
Indication Tones

Tone 1

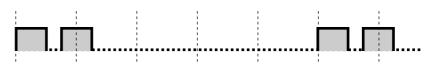Call waiting tone (default)

15 s

Tone 2

Call waiting tone from outside

5 s

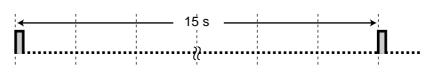### *Tone 3*

Call waiting tone from another extension

Tone 4

A call is held for more than a specified time (default: 60 seconds).
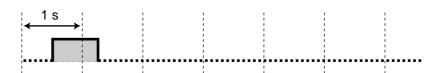
15 s

◆◆ ### *When taking to an external party*

Warning Tone

This tone is sent 15, 10 and 5 seconds before the time limit.

1 s

◆◆ ### *When setting the features or programming*
Confirmation Tones

Tone 1

1 s

- Set/cancel to deny other people the possibility of using your phone.
- The new setting differs from the previous setting by personal programming.
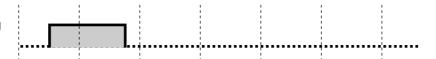- Completing the system programming.

Tone 2

- The feature setting was completed successfully.
- Before paging through an external speaker
- The new setting is same as the previous setting by personal programming.

Tone 3

Before performing the following features:

- Retrieving a held call
- Picking up another call
- Paging/Answering a paged annoucement
- Answering the call through a speaker

Tone 4

Establishing or leaving a three-party conversation

5.5   Specifications

◆◆ *General Description*

Table 7

Item	Description	
System Capacity	CO lines Stations	192 max. 448 max. (eXtra Device Port - 64 max.)
Power Supplies	Primary Secondary Power Failure	220-240 VAC, 50/60 Hz Station Supply Volt : 30V Circuit Volt: ±5V, ±15V • Memory backup duration : seven years with a factory-provided lithium battery • Power Failure Transfer function is provided. • System operation for about four hours using recommended batteries (consisting of two 12 VDC 40 Ah Automobile type batteries)
Dialling	Outward/Internal Mode Conversion	Dial Pulse (DP) 10 pps, 20 pps, Tone (DTMF) Dialling DP-DTMF, DTMF-DP
Connector	LCO lines ISDN lines Stations Paging Output External Music Input	Amphenol Connector Modular Jack (RJ45) Amphenol Connector Pin Jack (RCA JACK) Two-conductors Jack (MINIJACK 3.5 mm 9/64 inch diameter)
SMDR (Station Message Detail Recording)	Interface Output Equipment Detail Recording	Serial Interface (RS-232C)(D-SUB, 25-pin) Printer/Personal Computer Date, Time, Extension Number, Outside Line Number, Dialled Number, Ring Duration, Call Duration, Account Code, Caller ID, Timed Reminder

◆◆ *Characteristics*

Table 8

Item	Description
Maximum Number of Station Instruments per Line	1 or 2 by Parallel or eXtra Device Port Connection of a Proprietary Telephone and a Single Line telephone
Ring Voltage	75 Vrms at 25 Hz depending on the ringing load
Environmental Requirements	0 - 40 ° C, 10 - 90% relative humidity